Making Your Success Our Goal

Novus is committed to providing researchers with the highest quality antibodies so they may focus on their research. That’s why we’re continually working to provide the most comprehensive data available for our products.

It's all available to you at www.novusbio.com.

- 140,000+ images
- 15,000+ publications
- 650+ reviews
- 180,000+ products
- 31 applications covered
- 46 species covered
- 42,000+ gene IDs covered

In addition to our primary antibody products, we offer an array of related research tools including immunoprecipitation and labeling kits, stem cell lines and a variety of secondary antibodies, lysates, peptides and proteins.

Novus Quality Guarantee
We stand behind our products 100%. If you cannot get a product to work in an application or species stated on our data sheet, our technical service team will troubleshoot with you to get it to work. If a product still does not work after trouble-shooting, you can receive a free of charge replacement product or a full refund. Novus’ Quality Guarantee covers 100% of the products we carry. No hassles, no nonsense. It is that simple!

Special Services

**Antibody Concierge**
Can’t find the antibody you need? Tired of researching? Use our free service intended to help you locate rare and unusual antibodies.

**Innovators Reward**
Use one of our products in an untested application or species and Novus will provide you a 50% refund on the purchased product as well as a 50% discount on a future product of equal or lesser value.

**New Lab Discount**
Let us help you start your new lab by offering 20% off your first 3 months and a welcome kit full of useful lab tools.

Visit www.novusbio.com for complete product listings.
Metabolism & Epigenetics

Epigenetic regulation via chromatin modifications is a growing field of research and has been shown to regulate many different gene pathways and pathologies. Many chromatin modifications require physiological metabolites resulting in epigenetic regulation that is directly affected by cellular metabolism. Chromatin modulators rely on essential cofactors that are linked closely to nutrient status. These cofactors include acetyl coenzyme A (A-coA), S-adenosyl methionine (SAM or AdoMet), and nicotinamide adenine dinucleotide (NAD)\(^1\).

Epigenetic mechanisms have been implicated in the control of circadian rhythm and related metabolic pathways. [PMID: 18662547] DNA methylation also plays a role in gene regulation of pancreatic islets from patients with type 2 diabetes. [PMID: 22293752]

Co-Factor Related Antibodies

- Acetoacetyl CoA synthetase
- BMAL1
- CLOCK
- GAPDH
- KAT3B/p300
- NAD Synthetase
- NADK
- NAMPT
- NNMT
- SIRT1
- TPMT

Customer Reviews

**GAPDH (2D4A7) Antibody**

*NB300-328*

**Application:** Western Blot

**Sample Tested:** HaCaT whole cell lysate

**Species:** Human

**Results:** This antibody works great for Western blotting with little to no background, even at very dilute concentrations.

**KAT3B/p300 Antibody**

*NB500-161*

**Application:** WB, IP

**Sample Tested:** Hypoxic hela cell

**Species:** Human

**ChIP Type:** Cross-linking (X-ChIP)

Novus offers a full line of antibodies for DNA modification enzymes and modified histones, including our Epi-Plus® Antibodies, the most specific, well validated antibodies available for epigenetic research. Visit the Epigenetics Research area of our website for more information.
Pancreatic Islets

Pancreatic islets are regions of the pancreas that contain the cells responsible for hormone production including glucagon, insulin, amylin, somatostatin, pancreatic polypeptide and ghrelin. These regions comprise 1-2% of the mass of the pancreas and are primarily involved in glucose homeostasis.

Islet Markers

- CD57
- Chromogranin A
- Glucose Transporter GLUT2
- Neuron-Specific Enolase (NSE)
- Proprotein Convertase 2
- Proprotein convertase PC4
- Synaptophysin

Metabolite Related Antibodies

- Amylin
- Glucagon
- Glucagon Receptor
- Insulin
- Insulin Receptor
- Insulin Receptor Beta
- Insulin/Proinsulin
- IR Related Receptor
- Pancreatic Polypeptide
- Somatostatin
- Somatostatin Receptor 1
- Somatostatin Receptor 2
- Somatostatin Receptor 3
- Somatostatin Receptor 4
- Somatostatin Receptor 5

Chromogranin A (LK2H10) Antibody NB110-2475

Immuno-histochemical analysis of rat pancreas using NB110-2475.

Species: Hu, Rt, Mk, Po, Rb
Applications: WB, IHC-P

CD57 Antibody NBP1-78982

Immuno-histochemical analysis in mouse brain using DAB with hematoxylin counterstain using NBP1-78982.

Species: Hu, Mu
Applications: ICC, IF, IHC-P

Glucose Transporter GLUT2 (5D1) Antibody NBP1-40176

Immuno-histochemical analysis in human liver using NBP1-40176.

Species: Hu
Applications: FACS, ICC, IHC-P

NSE (EPR3377) Antibody NBP1-40641

Immuno-histochemical analysis of embedded human brain tissue using NBP1-40641.

Species: Hu, Mu, Rt
Applications: WB, FACS, ICC, IHC-P

Somatostatin Receptor 1 Antibody NB300-120

Western blot analysis from rat pancreas using NB300-120.

Species: Hu, Mu, Rt
Applications: WB, IP

Somatostatin Receptor 2 Antibody NB300-157

Immuno-histochemical analysis of rat tissue using NB300-157.

Species: Hu, Mu, Rt
Applications: WB, IF, IHC-Fr, IHC-P, IP

Product Citations


ABC Transports

ATP-binding cassette transporters (ABC transporters) are transmembrane proteins that transport a wide variety of substrates, including metabolic products, lipids and steroids, and drugs across both extra and intracellular membranes. ABC transporters are associated with a wide range of human diseases, including tumor resistance, cystic fibrosis, bacterial multi-drug resistance, and other inherited human diseases.

<table>
<thead>
<tr>
<th>Catalog#</th>
<th>Product</th>
<th>Host</th>
<th>Type</th>
<th>Application</th>
<th>Species</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>NB400-105</td>
<td>ABCA1</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Hu, Mu, Rtx, Ha</td>
<td>32</td>
</tr>
<tr>
<td>NB400-106</td>
<td>ABCA1</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Hu, Mu, Rtx, Ha</td>
<td>32</td>
</tr>
<tr>
<td>NB400-165</td>
<td>ABCA1</td>
<td>Rat</td>
<td>Monoclonal</td>
<td>FACS</td>
<td>Mu</td>
<td>2</td>
</tr>
<tr>
<td>NB400-166</td>
<td>ABCA3</td>
<td>Rat</td>
<td>Monoclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Mu</td>
<td>5</td>
</tr>
<tr>
<td>NB400-167</td>
<td>ABCA7</td>
<td>Mouse</td>
<td>Monoclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Mu</td>
<td>5</td>
</tr>
<tr>
<td>NBP1-77683</td>
<td>ABCB5</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>ICC, IF</td>
<td>Mu</td>
<td>2</td>
</tr>
<tr>
<td>NBP1-77685</td>
<td>ABCB5</td>
<td>Rabbit</td>
<td>Monoclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Mu</td>
<td>5</td>
</tr>
<tr>
<td>NBP1-77687</td>
<td>ABCG1</td>
<td>Mouse</td>
<td>Monoclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Mu</td>
<td>5</td>
</tr>
<tr>
<td>NBP1-77689</td>
<td>ABCG1</td>
<td>Mouse</td>
<td>Monoclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Mu</td>
<td>5</td>
</tr>
<tr>
<td>NB400-110</td>
<td>ABCG2</td>
<td>Mouse</td>
<td>Monoclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Mu</td>
<td>5</td>
</tr>
<tr>
<td>NB400-112</td>
<td>ABCG6</td>
<td>Rabbit</td>
<td>Monoclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Mu</td>
<td>5</td>
</tr>
<tr>
<td>NBP1-71706</td>
<td>ABCG8</td>
<td>Mouse</td>
<td>Monoclonal</td>
<td>WB, FACS, ICC, IF, IHC-P, IP</td>
<td>Mu</td>
<td>5</td>
</tr>
<tr>
<td>NB110-41576</td>
<td>Abhd5</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB</td>
<td>Mu</td>
<td>3</td>
</tr>
</tbody>
</table>

ABC Transporters

Product Citations


Obesity, Diabetes & Insulin Resistance

In the bloodstream, insulin acts to control blood sugar levels by regulating the uptake of glucose from the blood and glucose secretions from the liver. Under normal physiological conditions, adipose tissue can function as a signaling center, releasing adipokines which modulate this pathway. Under conditions of starvation or obesity, this cycle becomes perturbed and the action of the glucose transporter GLUT-4 is blocked, possibly through an increase in RBP4 release by adipocytes. This results in a failure of glucose uptake by the muscle and adipose tissue, while glucose secretion from the liver remains active. High levels of both glucose and insulin in the bloodstream cause a condition known as insulin resistance. Insulin resistance is considered a pre-diabetic state and can lead to the development of metabolic syndrome and Type 2 diabetes. Diseases associated with obesity include hypertension, dyslipidemia, type 2 diabetes, coronary heart disease, stroke, gallbladder disease, osteoarthritis, various cancers, sleep apnea and respiratory problems.

![Diagram of glucose metabolism and insulin resistance](image)

**Related Antibodies**

- Acetyl Coenzyme A Alpha
- ACC1
- Adiponectin
- Adropin
- AGPAT6
- Alcohol Dehydrogenase
- ATGL
- Caveolin 1
- Caveolin 2
- Caveolin 3
- CCKR
- Ceramide Kinase
- CFTR
- DGAT1
- Endothelial Lipase
- FADS1
- Fatty Acid Synthase
- GAD65
- Gastric Lipase
- GLUT1
- GLUT4
- HSL
- Insulin Receptor
- IRE1 alpha
- Leptin
- LPIN1
- LXR
- MRP 1
- MRP 2
- NOX4
- OXPAT
- PDZK1
- Perilpin
- Perilpin A
- Perilpin A+B
- PGC-1 alpha
- PGC-1 beta
- PLTP
- PPAR delta
- RBP4
- SCD
- Sorbitol Dehydrogenase
- SREBP1
- TIP47
- WFS1

Visit www.novusbio.com for complete product listings.
Obesity, Diabetes & Insulin Resistance

**Adropin Antibody**
NBP1-26387
Western blot analysis on mouse brain lysate using NBP1-26387.
Species: Hu, Mu, Rt, Bv
Applications: WB

**AGPAT6 Antibody**
NB100-2390
Western blot analysis in mouse skeletal muscle using NB100-2390.
Species: Hu, Mu, Rt, Bv, Mk, Po
Applications: WB

**Caveolin 1 (7C8) Antibody**
NB100-615
Immunofluorescent analysis of EaHy926 endothelial cell line using NB100-615.
Species: Hu, Mu, Rt
Applications: WB, FACS, IF, IHC-P, IP

**GLUT1 Antibody**
NB110-39113
Immunocytochemical analysis of HeLa cells (green) using NB110-39113.
Species: Hu, Mu, Rt, Bv, Mk, Rb
Applications: WB, ICC, IF, IHC-P

**LPIN1 Antibody**
NB110-57150
Immunohistochemical analysis of LPIN1 in mouse pancreas using NB110-57150.
Species: Hu, Mu, Rt
Applications: WB, IHC, IHC-P

**MRP1 (IU5C1) Antibody**
NB110-57131
Immunofluorescent analysis in HEK293 cells using NB110-57131.
Species: Hu, Mu
Applications: WB, IF

Customer Reviews

★★★★★
**GLUT1 Antibody (NB110-39113)**
Application: Western Blot
Sample Tested: HeLa cell lysates
Species: Human

★★★★★
**NOX4 Antibody (NB110-58851)**
Application: Western Blot
Sample Tested: Rat liver whole homogenate/primary hepatocyte cell lysate
Species: Rat

★★★★★
**Fatty Acid Synthase Antibody (NB400-114)**
Application: Western Blot
Sample Tested: Rat
Species: Rat
Sample Pretreated: Doxorubicin

Product Citations


[DGAT1 Antibody NB110-41487] Li M, Paran C, Wolins NE, Horowitz JF. High muscle lipid content in obesity is not due to enhanced activation of key triglyceride esterification enzymes or to the suppression of lipolytic proteins. Am J Physiol Endocrinol Metab. 2011 Feb 1. [PMID: 21285405]


www.novusbio.com • novus@novusbio.com
Metabolism & Inflammation

PPARs & LXRs

The nuclear receptors known as PPARs and LXRs are lipid-activated transcription factors. Recent studies indicate that they are key regulators of lipid metabolism and inflammation. PPARs and LXRs are activated by non-esterified fatty acids and cholesterol metabolites. Both control the expression of a range of metabolic and inflammatory genes. [PMID: 18650918]

Related Antibodies

- LXR
- LXR alpha
- LXR beta
- PPAR alpha
- PPAR delta
- PPAR gamma

Customer Reviews

PPAR delta Antibody (NB600-637)
Application: IHC-P
Sample Tested: Gerbil stomach
Species: Other
Species Other: Gerbil

PPAR gamma Antibody (NB120-19481)
Application: Western Blot
Sample Tested: Mouse BALB/c macrophage cell line
Species: Mouse

NALP3 Inflammasome

The emergence of chronic inflammation during obesity has been associated with the interaction of several pathways. The Nod-like receptor (NLR) family of innate immune cell sensors including the NALP3 Inflammasome (also known as NLRP3 or cryopyrin) are implicated in recognizing signals leading to caspase-1 activation and subsequent interleukin-1β (IL1 beta) and IL-18 secretion. [PMID: 21217695]

Related Antibodies

- Caspase 1
- IL18
- IL1 beta
- NALP3

IL18 Antibody
NBP1-81607
Immunohistochemical analysis of human lymph node using NBP1-81607.
Species: Hu
Applications: WB, IHC-P

NALP3 (Nalpy3-b) Antibody
NBP1-97601
Immunohistochemical analysis in epithelial layer of human tonsil using NBP1-97601.
Species: Hu
Applications: WB, IHC-Fr, IP
Metabolism & Inflammation

Unfolded Protein Response

The endoplasmic reticulum (ER) is the major site in the cell for protein folding and trafficking and is central to many cellular functions. Failure of the ER’s adaptive capacity results in activation of the unfolded protein response (UPR), which intersects with many different inflammatory and stress signaling pathways. These pathways are also critical in chronic metabolic diseases such as obesity, insulin resistance, and type 2 diabetes. The ER and related signaling networks are emerging as a potential site for the intersection of inflammation and metabolic disease. [PMID: 20303879]

Related Antibodies

- ATF4
- ATF6
- CHOP/GADD153
- Derlin1
- eIF2A
- GADD34
- GRP78
- HSPA5
- IRE1 alpha
- SKIV2L2
- XBP1

Customer Reviews

CHOP/GADD153 (9C8) Antibody (NB600-1335)

Application: Western blot
Sample Tested: Whole cell lysate
Species: Human
Results: We found it is also useful in rat tissue.

GADD34 Antibody (NB100-778)

Application: Western Blot
Sample Tested: Whole cell lysate
Sample Loaded: 40 ug

Derlin Antibody (NB100-448)

Application: Western Blot
Sample Tested: Whole cell lysate
Sample Loaded: 40 ug

GRP78 Antibody (NB100-91794)

Application: Western Blot
Sample Tested: Whole cell lysate
Sample Loaded: 40 ug

Product Citations

**Atherosclerosis**

High density lipoproteins (HDLs) play a critical role in cholesterol metabolism. Their plasma concentrations are inversely correlated with risk for atherosclerosis. The Scavenger Receptor Class B1 (SR-BI) binds HDLs with high affinity and mediates selective uptake of HDL cholesteryl ester. SR-BI is expressed primarily in liver and nonplacental steroidogenic tissues, and mediates selective cholesterol uptake by a distinct mechanism. Several Nox proteins, including Nox2 and Nox4, may contribute to increased intracellular oxidative stress in human coronary atherosclerosis in a cell-specific manner and thus may be involved in the genesis and progression of human coronary atherosclerotic disease. [PMID: 11914250]

<table>
<thead>
<tr>
<th>Catalog#</th>
<th>Product</th>
<th>Host</th>
<th>Type</th>
<th>Application</th>
<th>Species</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>NBP1-19168</td>
<td>CYBB/NOX2</td>
<td>Mouse</td>
<td>Monoclonal</td>
<td>WB</td>
<td>Hu</td>
<td></td>
</tr>
<tr>
<td>NBP1-51928</td>
<td>CYBB/NOX2</td>
<td>Goat</td>
<td>Polyclonal</td>
<td>WB, PEP-ELISA</td>
<td>Hu</td>
<td></td>
</tr>
<tr>
<td>NBP1-77008</td>
<td>HDL</td>
<td>Chicken</td>
<td>Polyclonal</td>
<td>WB, ELISA, IF</td>
<td>Mu, Rt</td>
<td></td>
</tr>
<tr>
<td>NBP1-76563</td>
<td>HDL</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, ELISA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBP10-58849</td>
<td>NOX4</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, ICC, IF, IH-C-P</td>
<td>Mu, Mu, Rt, Bv, Mk, Sh</td>
<td>7</td>
</tr>
<tr>
<td>NBP10-58851</td>
<td>NOX4</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, ICC, IF, IH-C-P</td>
<td>Mu, Mu, Rt, Mk</td>
<td>11</td>
</tr>
<tr>
<td>NB400-101</td>
<td>SR-BI</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, FACS, ICC, IF, IH-C-P</td>
<td>Mu</td>
<td>64</td>
</tr>
<tr>
<td>NB400-131</td>
<td>SR-BI</td>
<td>Goat</td>
<td>Polyclonal</td>
<td>WB, ICC, IF</td>
<td>Mu, Mu, Rt</td>
<td></td>
</tr>
<tr>
<td>NB400-104</td>
<td>SR-BI</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, FACS, ICC, IF, IH-C-P</td>
<td>Mu, Mu, Rt</td>
<td>70</td>
</tr>
<tr>
<td>NB400-113</td>
<td>SR-BI</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, B/N, ICC, IF, IP</td>
<td>Mu</td>
<td>8</td>
</tr>
<tr>
<td>NB400-134</td>
<td>SR-BI/SR-BII</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, ICC, IF, IH-C, FACS</td>
<td>Mu</td>
<td>3</td>
</tr>
<tr>
<td>NB400-102</td>
<td>SR-BII</td>
<td>Rabbit</td>
<td>Polyclonal</td>
<td>WB, IF, IH-C-P</td>
<td>Mu, Mu, Rt, Bv</td>
<td>7</td>
</tr>
</tbody>
</table>

**Customer Review**

⭐⭐⭐⭐

**SR-BI Antibody (NB400-104)**

- **Application:** FACS
- **Sample Tested:** Mouse
- **Species:** Mouse
- **Sample Pretreated:** Paraformaldehyde
- **Results:** The signal is strong and clear

**CYBB/NOX2 Antibody (NBPI-59062)**

- **Immuno-histochemical analysis of human lung using NBPI-59062.**

**Product Citations**


CNS Control of Metabolism

Leptin & Insulin Adiposity Signals

Food intake is controlled by a highly complex process. Compounds that affect food intake and that are critical for normal energy homeostasis are termed adiposity signaling molecules. Leptin and insulin are two molecules that act through intermediaries as adiposity signals. Several distinct hypothalamic neuropeptide-containing pathways have emerged as candidate mediators of leptin and insulin action in the central nervous system (CNS). [PMID: 10766253]

Related Antibodies

- AGRP
- CARTPT
- CRHBP
- Galanin
- GaIR1
- GaIR2
- GaIR3
- GALP
- GLP1R
- IL-1 Receptor beta
- Insulin
- Insulin Receptor
- Insulin Receptor beta
- IR-related receptor
- Leptin
- Leptin Receptor
- MCHR
- MCHR1
- MCHR2
- MRAP2
- Neuropeptide Y
- Neurotensin
- Neurotensin Receptor 1
- Neurotensin Receptor 2
- Noradrenaline transporter
- NPY1R
- NPY2R
- NPY4R
- NPY5R
- Orexin
- Orexin A
- Orexin Receptor 1
- Orexin Receptor 1/2
- Orexin Receptor 2
- Oxytocin
- Oxytocin Receptor
- Serotonin
- Thyrotropin Releasing Hormone
- Thyrotropin Releasing Hormone Receptor
- Urocortin

Customer Review

Orexin Receptor 2 Protein (H00003062-Q01)
Application: Western Blot
Species: Human

CRHBP Antibody NBP1-91811
Immuno-histochemical analysis of human placenta using NBP1-91811.
Species: Hu
Applications: WB, IHC-P

Oxytocin Receptor Antibody NBP1-02410
Immuno-histochemical analysis of human pregnant uterus using NBP1-02410.
Species: Hu
Applications: IHC-P

GLP1R Antibody NBP1-97308
Immuno-histochemical analysis in mouse pancreas using NBP1-97308.
Species: Hu, Mu
Applications: WB, ICC, IF, IHC-P

Product Citations


Neurodegeneration

Lipid storage diseases, or lipidoses, are a group of inherited metabolic disorders in which harmful amounts of lipids accumulate in certain cells and tissues. People with these disorders do not produce enough of one of the enzymes needed to metabolize lipids or produce enzymes that do not work properly. Over time, this accumulation of fats can cause permanent cellular and tissue damage, particularly in the brain, peripheral nervous system, liver, spleen, and bone marrow. Niemann-Pick disease is an autosomal recessive disorder resulting in an accumulation of fat and cholesterol in cells of the liver, spleen, bone marrow, lungs, and in some patients, the brain.

The LDL receptor (LDLR) family is comprised of several multifunctional cell surface proteins. One ligand common to all LDLR family members is apolipoprotein E (ApoE), a lipid transport protein that also plays a central role in the pathogenesis of neurodegeneration in Alzheimer’s disease. [PMID: 14657206] There is also evidence linking Reelin with neurodegeneration through binding of ApoE receptors and as a mediator of Tau hyperphosphorylation. [PMID: 15583703]

Apolipoprotein Antibodies

- ApoE
- ApoE4
- ApoER2
- Apolipoprotein A1
- Apolipoprotein AII
- Apolipoprotein A5
- Apolipoprotein B
- Apolipoprotein A1
- Apolipoprotein C1
- Apolipoprotein CII
- Apolipoprotein CIII
- Apolipoprotein D
- Apolipoprotein F
- Apolipoprotein H
- Apolipoprotein J
- Apolipoprotein L
- Apolipoprotein M

Customer Review

Apolipoprotein CIII Antibody
(NB600-610)
Application: ELISA
Sample Tested: Human serum
Species: Human
Lot: 21761

ApoE (WUE-4) Antibody
NB110-60531
Western blot analysis in human tissue lysate using NB110-60531.
Species: Hu
Applications: WB, ELISA, IHC

ApoE4 (4E4) Antibody
NB110-49529
Western blot analysis in concentrated supernatants of CHO cells secreting human ApoE2, ApoE3 or ApoE4 using NB110-49529.
Species: Hu
Applications: WB, ELISA, IP

ApoER2 Antibody
NB100-2216
Western blot analysis of ApoER2 on mouse brain membrane using NB100-2216.
Species: Hu, Mu, Ch
Applications: WB

Apolipoprotein A5 (1G5G9) Antibody
NB110-55454
Western blot analysis in HepG2 lysates using NB110-55454.
Species: Hu
Applications: WB, ELISA, IHC-P

Apolipoprotein A5 (1G5G9) Antibody
NB400-139
Western blot analysis in HepG2 cell lysate with NB400-139.
Species: Hu
Applications: WB, ELISA, IHC-P

Apolipoprotein D (EPR2916) Antibody
NB110-95270
Immunohistochemical analysis of human liver tissue using NB110-95270.
Species: Hu
Applications: WB, ICC, IHC-P

Apolipoprotein A5 (1G5G9) Antibody
NB400-139
Western blot analysis in HepG2 cell lysate with NB400-139.
Species: Hu
Applications: WB, ELISA, IHC-P

Apolipoprotein F Antibody
NB100-20882
Immunohistochemical analysis of human liver using NB100-20882.
Species: Hu
Applications: WB, IHC-P, PEP-ELISA

Apolipoprotein J Beta Chain Antibody
NB100-90128
Immunohistochemical analysis of human pancreas using NB100-90128.
Species: Hu
Applications: WB, IHC-P

Apolipoprotein L2 Antibody
NB100-55937
Immunohistochemical analysis of human cervix carcinoma tissue using NB100-55937.
Species: Hu
Applications: WB, ELISA, IF, IHC-P
Netrodegeneration

Related Antibodies

- AKT1
- AMACR
- Amyloid Precursor Protein
- Cathepsin E
- Ceramide Kinase
- CYP46A1
- DAB1
- EGF
- Fatty Acid Synthase
- GSK3 beta
- IRP2
- JIP2
- JIP3
- LDL Receptor
- LRP1B
- LRP5/6
- LRP6
- Macrophage Scavenger Receptor I
- MC3 Receptor
- Niemann-Pick C1
- Niemann-Pick C1L1
- NMDA
- PI 3 Kinase
- PI3CA
- Reelin
- RNF139
- Tau
- Thimet Oligopeptidase
- VLDL Receptor
- WFS1

Customer Reviews

⭐️⭐️⭐️⭐️️
LDL Receptor (EP1553Y) Antibody (NB110-57162)
Application: Western blot
Sample Tested: Cell lines (Hep2 HepG2)
Results: So far the best antibody for LDL Receptor.

⭐️⭐️⭐️⭐️
NMDAR1 Antibody (NB100-92192)
Application: IHC-P
Sample Tested: Rat
Species: Rat

⭐️⭐️⭐️⭐️
NMDAR1 Antibody (NB400-114)
Application: Western blot
Sample Tested: Rat
Species: Rat

Product Citations


Early in the last century, theories abounded as to how cancer arose in the body. Nobel laureate Otto Warburg hypothesized that malignant growth occurred as a consequence of cells utilizing non-oxidative metabolism of glucose as opposed to oxidative respiration. Current understanding of genetic alterations in many of the known oncogenes shows that the alterations aid the tumor in adapting cellular metabolism to meet the requirements of rapid cell proliferation as well as autonomous growth and survival in an environment absent of contact with extracellular matrix. Accumulating evidence indicates that almost every known oncogene regulates downstream targets that are directly connected to metabolic regulation. [PMID: 20598111]

Related Antibodies

- ADFP
- AMACR
- ARH
- AS3MT
- ATF6
- Cathepsin E
- Caveolin 1
- CBR3
- Ceramide Kinase
- CHREBP
- CLPP
- CPT1B1
- CYP7B1
- Cytochrome P450
- DCXR
- EDG1
- EDG2
- eIF2
- GADD34
- GLUT1
- Importin 13
- Lipocalin 2
- Macrophage Scavenger Receptor 1
- MafA
- MafB
- MARCKS
- MCT2
- MRP1
- MRP4
- MTCH1
- ORP1
- OSBP
- OSBP1
- OSBP2
- OSBPL2
- OSBPL6
- OSBPL7
- OSBPL9
- OSBPL10
- OSBPL11
- PCK1
- PDHX
- PDK1
- PI-15
- PTEN
- SCARF1
- SRD5A1
- STAR D3
- TXNRD1
- VDAC2

Customer Reviews

- **CHREBP Antibody (NB400-135)**
  - Application: Western blot
  - Sample Tested: Aorta whole tissue
  - Species: Mouse

- **GADD34 Antibody (NB400-135)**
  - Application: Western blot
  - Sample Tested: Whole cell lysate

- **Lipocalin 2 Antibody (NB400-135)**
  - Application: Western Blot
  - Sample Tested: Human Xenograft Tumor
  - Species: Human
  - Sample Pretreated: Paraffin embedded

- **PDK1 Antibody (NB400-135)**
  - Application: Western Blot
  - Sample Tested: HeLa cell lysates

Visit www.novusbio.com for complete product listings.
Tumor Metabolism

**EDG1 Antibody NBP1-76942**
- Species: Hu, Mu, Rt
- Applications: WB, ELISA, IHC-P
- Immuno-histochemical analysis of mouse thymus tissue using NBP1-76942.

**EDG2 Antibody NLS212**
- Species: Hu
- Applications: IHC-P
- Immuno-histochemical analysis in adrenal using NLS212.

**Lipocalin 2 Antibody NB100-1503**
- Species: Hu
- Applications: WB, IHC, PEP-ELISA
- Immuno-histochemical analysis of human spleen using NB100-1503.

**OSBPL6 Antibody NBP1-31456**
- Species: Hu
- Applications: WB, IHC-P
- Immuno-histochemical analysis of SCC15 using NBP1-31456.

**OSBPL10 Antibody NB100-86153**
- Species: Hu
- Applications: WB, IHC-P
- Immuno-histochemical analysis of human nasopharynx using NB100-86153.

**PTEN Antibody NBP1-73972**
- Species: Hu, Mu, Rt
- Applications: WB, ELISA, IHC-P, IP
- Immuno-histochemical analysis of human prostate tissue using NBP1-73972.

**SCARF1 (EPR3848) Antibody NBP1-40779**
- Species: Hu
- Applications: WB, ICC, IHC-P, IP
- Immuno-histochemical analysis of human lung tissue using NBP1-40779.

**Txnrd1 Antibody NB100-81791**
- Species: Hu
- Applications: WB, IF, IHC-P
- Immuno-fluorescent analysis showing positivity in cytoplasm using NB100-81791.

**VDAC2 Antibody NBP1-89477**
- Species: Hu
- Applications: WB, IF, IHC-P
- Immuno-histochemical analysis of human cerebellum using NBP1-89477.

**Product Citations**


U.S. AND INTERNATIONAL CUSTOMERS

Phone: 303.730.1950
Fax: 303.730.1966
Email: orders@novusbio.com
Web: www.novusbio.com

Support
Phone: 303.730.1950
Fax: 303.730.1966
Email: technical@novusbio.com

EUROPEAN CUSTOMERS

NOVUS EUROPE
Phone: +44 (0)1223 426001
Fax: +44 (0)871 971 1635
Email: europe@novusbio.com

NOVUS GERMANY
Phone: +49 6922 22340 60
Fax: +49 0800 58926 79
Email: germany@novusbio.com

NOVUS ITALY
Phone: +39 02 4032 6786
Fax: +39 02 4032 6340
Email: italy@novusbio.com

NOVUS FRANCE
Phone: +33 1 76 77 45 30
Fax: +33 1 76 77 45 31
Email: france@novusbio.com

NOVUS BELGIUM
Phone: +32 2 401 22 53
Fax: +32 2 401 22 54
Email: belgium@novusbio.com

NOVUS NETHERLANDS
Phone: +31 2 07168336
Fax: +31 2 07168337
Email: netherlands@novusbio.com

NOVUS FRANCE
Phone: +33 1 76 77 45 30
Fax: +33 1 76 77 45 31
Email: france@novusbio.com

NOVUS IRELAND
Phone: +353 1 506 0361
Fax: +353 1 506 0362
Email: ireland@novusbio.com

CANADIAN CUSTOMERS

Phone: 905.827.6400
Phone: 855.668.8722
Fax: 905.827.6402
Email: canada@novusbio.com
Web: www.novusbio.com/canada

Chat with a Scientist featured on our website: www.novusbio.com

For research purposes only.
Prices subject to change.
Not for use in humans.