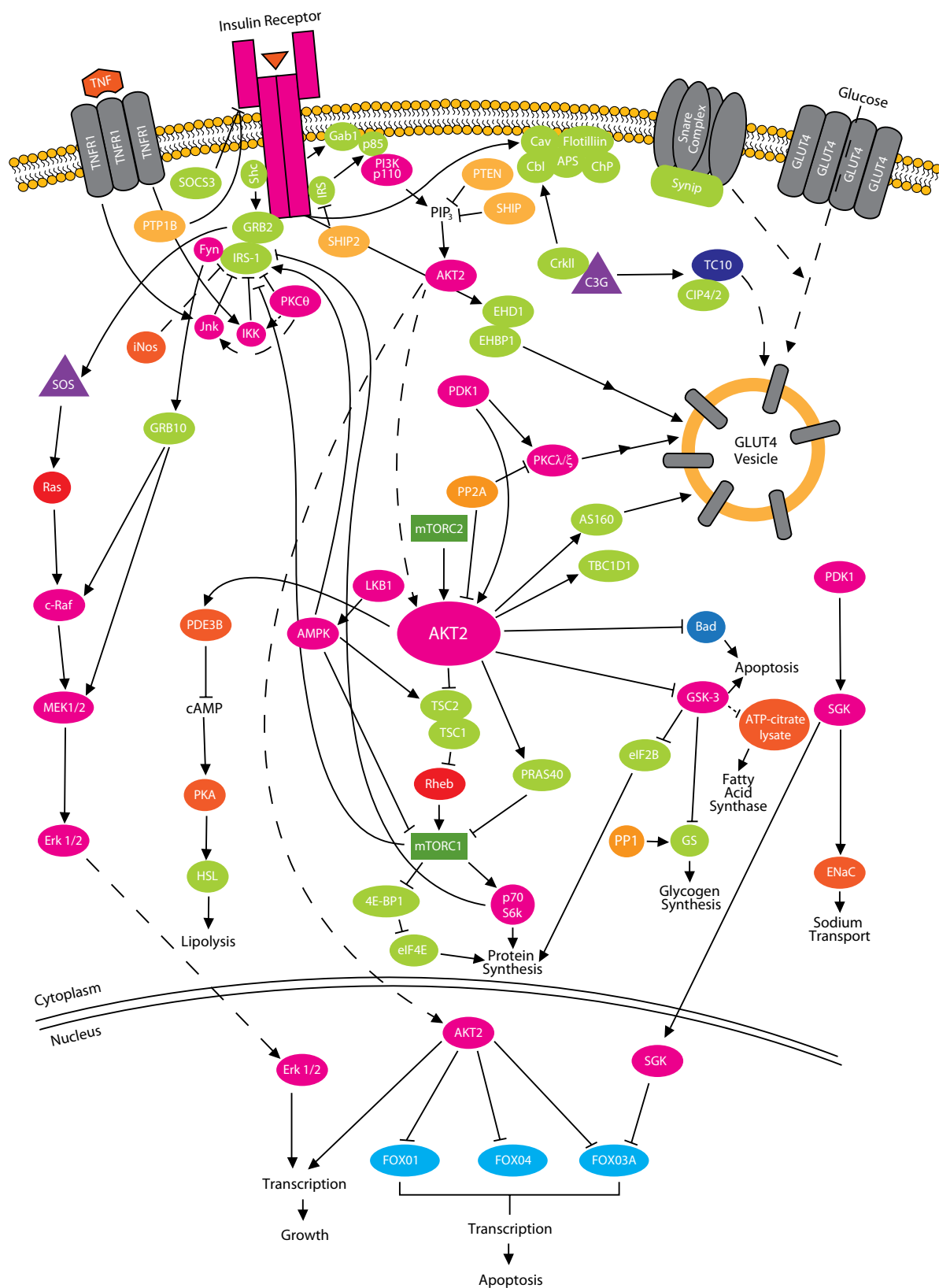


INSULIN RECEPTOR PATHWAY

The insulin receptor pathway plays a key role in the regulation of metabolic homeostasis. The insulin receptor acts as a tyrosine phosphatase and, upon insulin binding, initiates a phosphorylation cascade that increases the concentration of glucose transporter molecules in muscle and adipose tissue. Further regulation is maintained through the link to the AKT/PI3K pathways which also promotes conversion of glucose in glycogen for cellular storage.

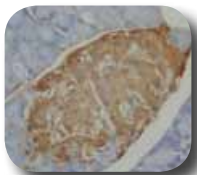


Thousands of Antibodies for Cell Signaling Research

- **Validated Antibodies**
- **Over 180,000 Products**
- **Customer Product Reviews**
- **Thousands of Product Citations**

Novus Biologicals offers multiple antibodies for nearly every target in your signaling pathway of interest. Our antibodies have been validated for many applications and we have full validation data as well as recent citations and customers reviews. In addition to our extensive collection of antibodies and antibody related products, we offer a 100% quality guarantee on all of our products.

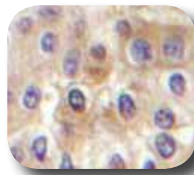
Insulin (ISL-8J) Antibody NBP1-41345



Immuno-histochemical analysis of rat pancreas using NBP1-41345.

Species: Hu, Mu, Rt
Applications: IHC-P, IP

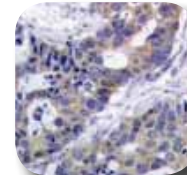
Insulin Receptor [p Tyr1361] Antibody NBP1-51404



Immuno-histochemical analysis in human breast carcinoma using NBP1-51404.

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

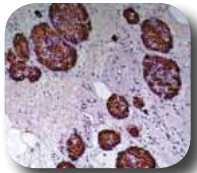
IRS1 Antibody NBP1-61911



Immuno-histochemical analysis of human breast carcinoma tissue using NBP1-61911.

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

Proinsulin (C-PEP-01) Antibody NB500-413



Immuno-histochemical analysis of human pancreas using NB500-413.

Species: Hu
Applications: ELISA, ICC, IHC-P, RIA

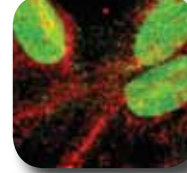
AKT2 [p Ser474] Antibody NBP1-60766



Immuno-histochemical analysis of human lung carcinoma using NBP1-60766.

Species: Hu, Mu, Rt
Applications: WB, ELISA, IHC-P

mTOR Antibody NB100-240



Immuno-fluorescent analysis of L6 myotubes using NB100-240.

Species: Hu, Rt
Applications: ICC, IP, PLA

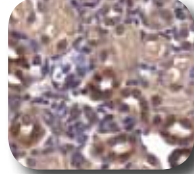
Fatty Acid Synthase Antibody NB400-114



Western blot analysis of mouse liver lysate using NB400-114.

Species: Hu, Mu, Rt, Ch, Mk, Po
Applications: WB, IHC, IHC-P, IP

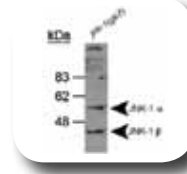
Glucose Transporter GLUT4 Antibody NBP1-49533



Immuno-histochemical analysis in mouse kidney using NBP1-49533.

Species: Hu, Mu, Rt
Applications: WB, ICC, IF, IHC

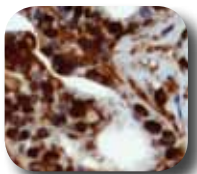
JNK1 Antibody NB100-1925



Western blot analysis of JNK-1 overexpression lysate using NB100-1925.

Species: Ce
Applications: WB, ELISA, IHC-P

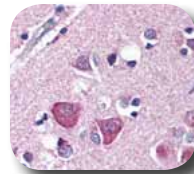
PGC-1 alpha Antibody NBP1-04676



Immuno-histochemical analysis in mouse prostate using NBP1-04676.

Species: Hu, Mu, Rt, Ca, Eq, Mk
Applications: WB, IHC-P

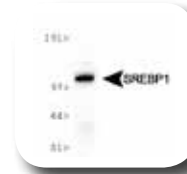
PGC-1 beta Antibody NB110-58858



Immuno-histochemical analysis in human cortical neurons using NB110-58858.

Species: Hu, Mu
Applications: WB, IHC-P

SREBP1 (2A4) Antibody NB600-582



Western blot analysis in HeLa lysate using NB600-582.

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

Insulin Receptor Antibodies

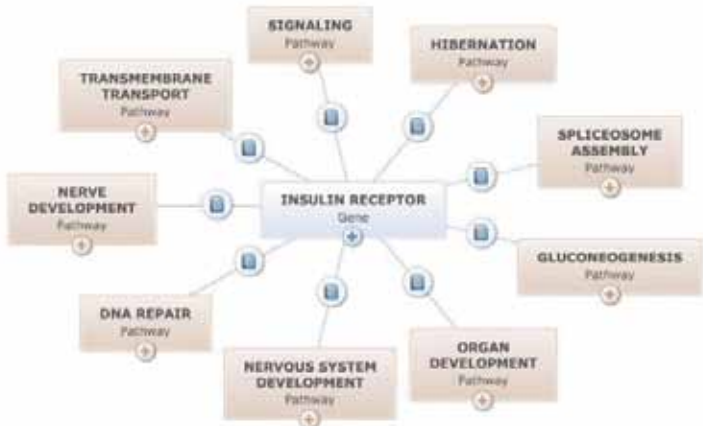
Name	Catalog#	Clonality	Species	Application
Insulin	NBP1-87485	Polyclonal	Hu	WB, IHC-P
Insulin (ISL-8J)	NBP1-41345	Monoclonal	Hu, Mu, Rt	IHC-P, IP
Insulin Receptor (MA-20)	NB400-142	Monoclonal	Hu, Rt	WB, B/N, ELISA, IP
Insulin Receptor [p Tyr1361]	NBP1-51404	Polyclonal	Hu, Mu, Rt	WB, IHC-P
Insulin Receptor beta (C18C4)	NBP1-19192	Monoclonal	Hu, Mu, Rt, Bv, Po, Rb, Sh	WB
Insulin/Proinsulin (D3E7)	NB200-435	Monoclonal	Hu, Mu, Rt, Bv, Po	WB, IHC-Fr, IHC-P
IRS1	NBP1-61911	Polyclonal	Hu, Mu, Rt	ELISA, IF, IHC-P, WB
IRS1 [p Ser312]	NBP1-72214	Polyclonal	Hu, Mu, Rt	WB, DB, ELISA, IHC-P, IP
IRS2 [p Ser731]	NBP1-72215	Polyclonal	Hu, Mu, Rt	WB, ELISA, IHC-P, IP
Proinsulin (C-PEP-01)	NB500-413	Monoclonal	Hu	ELISA, ICC, IHC-P, RIA

AKT Antibodies

Name	Catalog#	Clonality	Species	Application
AKT1 (4D6)	NBP2-01724	Monoclonal	Hu, Mu, Rt, Ca, Mk	WB, FACS, IF, IHC-P
AKT1 [p Ser473]	NB600-590	Polyclonal	Hu	WB, ELISA, ICC, IF, IHC-P
AKT1/2/3	NBP1-62077	Polyclonal	Hu, Mu, Rt	WB, ELISA, IHC
AKT2	NBP1-26594	Polyclonal	Hu	WB, IP
AKT2 [p Ser474]	NBP1-60766	Polyclonal	Hu, Mu, Rt	WB, ELISA, IHC-P
AKT3 (9H8)	NBP1-47658	Monoclonal	Hu, Mu	WB, IF, IHC, IHC-P
pan AKT	NBP1-20183	Polyclonal	Mu	WB, IHC-Fr, IHC-P

mTOR Antibodies

Name	Catalog#	Clonality	Species	Application
mTOR	NB100-240	Polyclonal	Hu, Rt	ICC, IP, PLA
mTOR [Agarose Immobilized]	NB600-425	Polyclonal	Hu, Rt, Mu	IP
mTOR	NBP1-02454	Polyclonal	Hu, Mu, Rt, Ca, Ze	WB, ELISA, IF, IHC-P
mTOR (F11)	NBP2-00217	Monoclonal	Hu, Mu	WB, IHC-P, IP



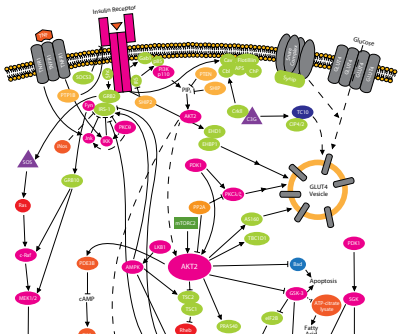
Popular AKT Signaling Pathway Antibodies

Name	Catalog#	Clonality	Species	Application
Acetyl Coenzyme A Carboxylase Alpha	NB100-92012	Polyclonal	Hu, Mu, Rt	WB, ELISA, IHC-P
Acetyl Coenzyme A Carboxylase Beta	NBP1-90274	Polyclonal	Hu	WB, IF, IHC-P
AMPK alpha 1 [p Ser79]	NBP1-72235	Polyclonal	Hu, Mu, Rt, Bv, Ca, In	WB, ELISA, IP
Bad [p Ser136]	NBP1-60780	Polyclonal	Hu, Mu, Rt	WB, ELISA, IHC-P
Calmodulin	NBP1-61548	Polyclonal	Hu, Mu, Rt	WB, ELISA, IF, IHC
C-Peptide (CII-29)	NBP1-05439	Monoclonal	Mu, Rt	ELISA, IA
Crkl	NBP1-61242	Polyclonal	Hu, Mu, Rt	WB, ELISA, IF, IHC
eIF4E	NB100-58833	Polyclonal	Hu, Mu	WB, IP
EIF4E2	NB120-14296	Polyclonal	Hu, Mu, Rt	WB
eIF4EBP1 (11G12C11)	NBP1-47366	Monoclonal	Hu	WB, ELISA, IHC-Fr, IHC-P
ERK1 [p Thr202, p Tyr204]	NBP1-19924	Polyclonal	Hu, Mu, Rt	WB, IHC-P
ERK1/2	NB110-96887	Polyclonal	Hu, Mu, Rt, Bv, Ch, Dr, Sh, Xp	WB, FACS, IF, IHC-Fr, IHC-P
Fatty Acid Synthase	NB400-114	Polyclonal	Hu, Mu, Rt, Ch, Mk, Po	WB, IHC, IHC-P, IP
FOXO1A	NB100-2312	Polyclonal	Hu	WB, IP, PLA
G6PC	NBP1-80533	Polyclonal	Hu, Mu	WB
Glucose Transporter GLUT4	NBP1-49533	Polyclonal	Hu, Mu, Rt	WB, ICC, IF, IHC
Glycogen synthase 2	NBP1-91191	Polyclonal	Hu	WB, IHC-P
GSK3 beta (3D10)	NBP1-47470	Monoclonal	Hu, Mu, Rt, Mk	WB, ELISA, FACS, IF, IHC-P
Hexokinase II (3D3)	NBP1-51643	Monoclonal	Hu	WB, ELISA, FACS, IHC-P
HSL	NB110-37253	Polyclonal	Hu, Rt	WB
JNK1	NB100-1925	Polyclonal	Ce	WB, ELISA, IHC-P
MEK1 [p Ser218, p Ser222]	NB500-139	Polyclonal	Mu	WB
PGC-1 alpha	NBP1-04676	Polyclonal	Hu, Mu, Rt, Ca, Eq, Mk	WB, IHC-P
PGC-1 beta	NB110-58858	Polyclonal	Hu, Mu	WB, IHC-P
PI3 Kinase catalytic subunit gamma	NB100-1097	Polyclonal	Hu	IHC, PEP-ELISA
PI 3 Kinase p85 alpha	NBP1-61781	Polyclonal	Hu, Mu, Rt	ELISA, IF, IHC-P, WB
PIK3CB/p110 beta	NBP1-36340	Polyclonal	Hu	IHC-P
Raf1 (Roy/28/1) [p Ser233]	NB100-66306	Monoclonal	Hu	WB
SOCS1	NB100-56637	Polyclonal	Hu, Mu	WB
SOCS3 (SOC-25)	NB100-78454	Monoclonal	Hu, Mu	WB
SOCS4	NB300-1073	Polyclonal	Hu, Mu	WB, ELISA, IP
SREBP1	NB100-2215	Polyclonal	Hu, Mu, Rt, Bv, Gt, Po, Sh	WB

Explore Your Pathways With Novus Explorer

This free bioinformatics tool is designed to facilitate scientific exploration of related genes, diseases and pathways based on co-citations. For more information visit www.novusbio.com/explorer.

AKT Signaling Pathway Antibodies



U.S. AND INTERNATIONAL CUSTOMERS

Phone: 303.730.1950
888.506.6887
Fax: 303.730.1966
Email: orders@novusbio.com
Web: www.novusbio.com

EUROPEAN CUSTOMERS

NOVUS EUROPE

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

NOVUS BELGIUM

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

NOVUS DENMARK

Phone: +45 36 92 78 17
Fax: +45 36 92 78 18
Email: denmark@novusbio.com

NOVUS FINLAND

Phone: +358 9 231 954 48
Fax: +358 9 231 954 49
Email: finland@novusbio.com

NOVUS FRANCE

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

NOVUS GERMANY

Phone: 0800 723 5208
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 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

NOVUS NETHERLANDS

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

NOVUS NORWAY

Phone: +47 21 03 42 86
Fax: +47 21 03 42 86
Email: norway@novusbio.com

NOVUS SWEDEN

Phone: +46 (0)856619332
Fax: +46 (0)856619333
Email: sweden@novusbio.com