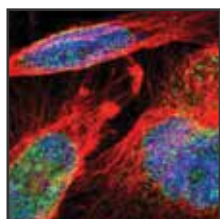


# ANTIBODY REPRODUCIBILITY INITIATIVE



Novus recognizes the need for highly validated, high quality antibodies in the life sciences research. The research community faces ongoing concerns about data reproducibility and especially the validity of antibody-based assays. A recent article in *Nature* discusses the variable standards and performance of antibodies and antibody suppliers in the market. Poorly validated, poorly performing antibodies cost researchers time and money. Even worse, the wrong choice of antibody can set back the pace of scientific discovery.

Novus is committed to addressing this problem and to helping our customers attain the best possible results with our products. To that end, we actively seek products that are high quality and highly validated. We are also collaborating with several global initiatives that help life science researchers choose antibodies with proven results.



## HIGHLY VALIDATED ANTIBODIES

We validate and gather data about our products and offer over 35,000 product citations in peer reviewed journals, over 3,000 customer reviews and image data from more than 200,000 application validations.



## 1,000+ SIMPLE WESTERN CERTIFIED ANTIBODIES

We have partnered with R&D Systems and ProteinSimple® to offer an additional level of validation for our most popular antibodies. Adding the antibody certification program with Simple Western gives our customers a high level of confidence, saves time and resources in experiment optimization and allows customers to dedicate more time to data analysis.



## ANTIBODY VALIDATION PUBLICATIONS ON FACULTY 1000

F1000 Research is a peer-reviewed Open Science publishing platform. Novus is providing financial support to cover publication fees for any article submitted to the Antibody Validation channel.



## AFFINITY BINDER KNOCKDOWN INITIATIVE SPONSOR

Novus is a sponsor of this important initiative from Antibodypedia. Researchers use gene silencing to prove antibody specificity in a particular application. The results are submitted and made publicly available on Antibodypedia.




## SPONSOR OF THE CANCER BIOLOGY REPRODUCIBILITY PROJECT

The Reproducibility Project is examining this issue by replicating the key experimental results from 50 high-impact cancer biology studies using experts from the Science Exchange network. Novus Biologicals and other top scientific reagent suppliers are proud to support the Reproducibility Project: Cancer Biology through the donation of over \$500,000 in reagents.

Learn more at [novusbio.com/reproducibility](http://novusbio.com/reproducibility)

# Novus provides high quality, highly validated antibodies

## Popular Novus Antibodies

Target	Catalog #	Host/Clonality	Validated Applications	Validated Species	Publications	Simple Western Certified
ABCA1	NB400-105	Rabbit Polyclonal	WB, ChIP, ELISA, Flow, ICC/IF, IHC, IHC-Fr, IHC-P, IP, GS, SW	Hu, Mu, Rt, Po, Ca, Ch, Ha, Md	221	
beta-Actin (AC-15)	NB600-501	Mouse Monoclonal	WB, ELISA, ICC/IF, IHC, IHC-Fr, IHC-P, IP, SW	Hu, Mu, Rt, Po, Bv, Ca, Ch, Fe, Fi, Gp, Ha, Le, Ma, Pm, Rb, Sh, Sq, Ze	193	
Carbonic Anhydrase IX/CA9	NB100-417	Rabbit Polyclonal	WB, SW, ELISA, Flow, GS, ICC/IF, IHC, IHC-Fr, IHC-P, ChIP	Hu, Mu, Rt, Ca, Pl	98	
Caspase 3 (Pro and Active) (31A1067)	NB100-56708	Mouse Monoclonal	WB, ICC/IF, IHC, IHC-Fr, IHC-P, SW	Hu, Mu, Rt	87	
DNMT1 (60B1220.1)	NB100-56519	Mouse Monoclonal	WB, SW, ChIP, ICC/IF, IHC, IHC-Fr, IHC-P, IP, IHC-FrFI	Hu, Mu, Rt, Po, Ze	93	
GAPDH (1D4)	NB300-221	Mouse Monoclonal	WB, ICC/IF, IHC, IP, ChIP, SW	Hu, Mu, Rt, Po, Av, Bv, Ch, Ha, Op, Pm, Sh, Ze	185	
HIF-1 alpha	NB100-449	Rabbit Polyclonal	WB, ChIP, ELISA, Flow, ICC/IF, IHC, IHC-Fr, IHC-P, IP, PLA, SW	Hu, Mu, Rt, Ch, Pm, Bv, Ca, Eq, Fi, Gt, Gp, Po, Rb, Mk, Tr, Ze	139	
HIF-2 alpha/EPAS1	NB100-122	Rabbit Polyclonal	WB, ChIP, ELISA, Flow, GS, ICC/IF, IHC, IHC-Fr, IHC-P, IP, SW	Hu, Mu, Rt, Fi, Ha, Pm, Sh	402	
LC3B/MAP1LC3B	NB100-2220	Rabbit Polyclonal	WB, ELISA, ICC/IF, IHC, IHC-Fr, IHC-P, IP, SW	Hu, Mu, Rt, Po, Ba, Bv, Ca, Pm, Ha, Ze	397	
Mre11	NB100-142	Rabbit Polyclonal	WB, ChIP, Flow, ICC/IF, IHC, IHC-Fr, IHC-P, IP, SW	Hu, Mu, Rt, Ch, Ha	137	
Survivin	NB500-201	Rabbit Polyclonal	WB, ChIP, ELISA, Flow, SW, ICC/IF, IHC, IHC-Fr, HC-P, IP	Hu, Mu, Rt, Ca, Fe, Gp, Ha	259	
TLR9 (26C593.2)	NBP2-24729	Mouse Monoclonal	WB, ELISA, Flow, Func, SW, ICC/IF, IHC-P, <i>In vitro</i> , IP	Hu, Mu, Rt, Ca, Eq, Pm	93	

## Over 1,000 Certified 5 Star Customer Reviews

Target	Catalog #	Host/Clonality	Validated Applications	Validated Species	Publications	Customer Reviews
beta-Actin	NB600-503	Rabbit Polyclonal	WB, SW, B/N, EIA, ICC/IF, IHC, IHC-P, IP, PLA	Hu, Mu, Rt, Po, Av, Ha, Fi, Pm, Rb	66	★★★★★★
APE (13B8E5C2)	NB100-116	Mouse Monoclonal	WB, SW, ChIP, GS, ICC/IF, IHC, IHC-Fr, IHC-P, IP	Hu, Mu, Rt, Pm	63	★★★★★★
AIP/ARA9 (35-2)	NB100-127	Mouse Monoclonal	WB, SW, ChIP, Flow, ICC/IF, IHC, IHC-P, IP	Hu, Mu, Rt	21	★★★★★★
PCNA (PC10)	NB500-106	Mouse Monoclonal	WB, SW, ELISA, Flow, ICC/IF, IHC, IHC-Fr, IHC-P, IP	Hu, Mu, Rt, Ch, Dr, Fi, Pm, Ye, Ze	17	★★★★★★
PARK7/DJ-1	NB300-270	Rabbit Polyclonal	WB, SW, ICC/IF, <i>In vitro</i> , IP	Hu, Mu, Ch, Bv, Ch, Ha, Rt, Ze	14	★★★★★★

**Species Key:** Hu (Human), Mu (Mouse), Rt (Rat), Bv (Bovine), Ca (Canine), Ch (Chicken), Eq (Equine), Fe (Feline), Fi (Fish), Gp (Guinea Pig), Gt (Goat), Ha (Hamster), Ma (Mammal), Md (Mustelid), Le (Leech), Op (Opossum), Po (Porcine), Pl (Plant), Pm (Primates), Rb (Rabbit), Sh (Sheep), Sq (Squirrel), Tr (Turkey), Xp (Xenopus), Ze (Zebrafish)

**Applications Key:** B/N (Blocking/Neutralizing), ChIP (Chromatin Immunoprecipitation), EIA (Enzyme Immunoassay), ELISA (ELISA Capture and/or Detection), EM (Electron Microscopy), Flow (Flow Cytometry), Func (Functional Assay), GS (Gel Supershift), ICC/IF (Immunocytochemistry/Immunofluorescence), IHC-Fr (Immunohistochemistry-Frozen), IHC-FrFI (Immunohistochemistry Free-Floating), IHC-P (Immunohistochemistry-Paraffin), IP (Immunoprecipitation), *In vitro* (In vitro Assay), PLA (Proximity Ligation Assay), SW (Simple Western), WB (Western Blot)