

Product Datasheet

Reelin Antibody (G10) - BSA Free NB600-1081

Unit Size: 0.05 mg

Store at 4C. Do not freeze.

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NB600-1081

Reelin Antibody (G10) - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	G10
Preservative	0.1% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	20mM Phosphate and 0.25M NaCl
Target Molecular Weight	388 kDa

Product Description	
Host	Mouse
Gene ID	5649
Gene Symbol	RELN
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	Reelin (G10)
Immunogen	Recombinant fusion protein, corresponding to amino acids 164-496 of Mouse Reelin (derived from E15-E17 embryonic brain).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen
Application Notes	Use in ICC/IF reported in scientific literature (PMID: 27915032).

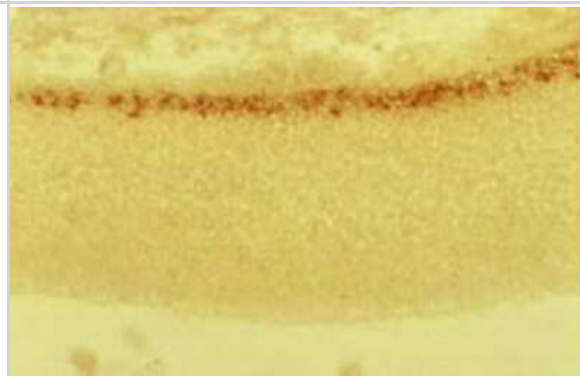


Images

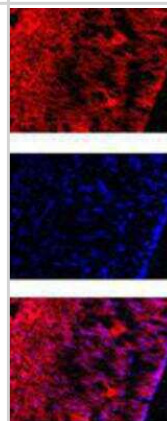
Immunohistochemistry-Frozen: Reelin Antibody (G10) [NB600-1081] - Frozen mouse brain coronal section stained with Reelin Antibody (G10). IHC-Fr image submitted by a verified customer review.



Immunohistochemistry: Reelin Antibody (G10) [NB600-1081] - Mouse anti-Reelin staining of embryonic cerebral cortex at 15 days in utero, with the pial surface above and the ventricle below. The positive zone is the Cajal-Retzius cell layer in the marginal zone, positive for reelin using NB600-1081.



Immunohistochemistry: Reelin Antibody (G10) [NB600-1081] - Mouse anti-Reelin. Immunolocalization of Reelin (red) in the cortex of e14.5 mouse CNS. The blue stain is Hoechst nuclear counter stain. Photo courtesy of Dr. Jason Emsley, Harvard Medical School, Boston, MA.



Publications

Wang ZH, Liu Y, Chaitankar V et al. Yin Yang 1 sustains biosynthetic demands during brain development in a stage-specific manner Nat Commun 2019-05-16 [PMID: 31097699] (IHC-P, Mouse)

Carvajal AE, Vazquez-Carretero MD, Garcia-Miranda P et al. Reelin expression is up-regulated in mice colon in response to acute colitis and provides resistance against colitis. Biochim. Biophys. Acta. 2016-11-30 [PMID: 27915032] (ICC/IF, WB, Mouse)

Shiraki A, Tanaka T, Watanabe Y et al. Immunohistochemistry of aberrant neuronal development induced by 6-propyl-2-thiouracil in rats. Toxicol. Lett. 2016-08-20 [PMID: 27553673] (IF/IHC)

Akane H, Shiraki A, Imatanaka N et al. Glycidol induces axonopathy and aberrations of hippocampal neurogenesis affecting late-stage differentiation by exposure to rats in a framework of 28-day toxicity study. Toxicol Lett. 2013-11-01 [PMID: 24185127] (IF/IHC, Rat)

Falk S, Joosten E, Kaartinen V et al. Smad4 and Trim33/Tif1gamma Redundantly Regulate Neural Stem Cells in the Developing Cortex. Cereb Cortex. 2013-06-13 [PMID: 23765158] (IHC-P, Mouse)

Akane H, Shiraki A, Imatanaka N et al. Glycidol induces axonopathy by adult stage-exposure and aberration of hippocampal neurogenesis affecting late-stage differentiation by developmental exposure in rats. Toxicol Sci 2013-04-17 [PMID: 23596259] (IHC-P, Rat)

Saegusa Y, Woo GH, Fujimoto H et al. Sustained production of Reelin-expressing interneurons in the hippocampal dentate hilus after developmental exposure to anti-thyroid agents in rats. Reprod Toxicol 2010-07-01 [PMID: 20347957] (IF/IHC, Rat)

Wang L, Ohishi T, Akane H et al. Reversible effect of developmental exposure to chlorpyrifos on late-stage neurogenesis in the hippocampal dentate gyrus in mouse offspring. Reprod Toxicol 2013-02-18 [PMID: 23428981] (IHC-P, Mouse)

Ohishi T, Wang L, Akane H et al. Reversible effect of maternal exposure to chlorpyrifos on the intermediate granular cell progenitors in the hippocampal dentate gyrus of rat offspring Reprod Toxicol 2012-10-22 [PMID: 23099338] (IF/IHC, Rat)

Ogawa B, Ohishi T, Wang L et al. Disruptive neuronal development by acrylamide in the hippocampal dentate hilus after developmental exposure in rats Arch Toxicol 2011-08-01 [PMID: 21120452] (IF/IHC, Rat)

Saegusa Y, Fujimoto H, Woo GH et al. Transient aberration of neuronal development in the hippocampal dentate gyrus after developmental exposure to brominated flame retardants in rats Arch Toxicol 2012-03-14 [PMID: 22415764] (IF/IHC, Mouse)

Ohishi T, Wang L, Akane H, Shiraki A, Goto K, Ikarashi Y, Suzuki K, Mitsumori K, Shibutani M. Reversible aberration of neurogenesis affecting late-stage differentiation in the hippocampal dentate gyrus of rat offspring after maternal exposure to manganese chloride. Reproductive Toxicology, 10.1016/j.reprotox.2012.04.00. 2012-05-04 [PMID: 22561194] (IF/IHC, Rat)



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Products Related to NB600-1081

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-61414PEP	Reelin Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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