

Rabbit Nogo Polyclonal Antibody | anti-RTN4 antibody

Nogo Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75727	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Nogo; Polyclonal Antibody; Nogo Antibody; 1110020G17Rik; AA407876; AA409940; AA960376; ASY; C130026I10Rik; Foocen; Glut4 vesicle 20 kDa protein; Human NogoA; Kiaa0886; KIAA4153; MGC116054; MGC139261; mKIAA0886; mKIAA4153; My043 protein; Nbla00271; Nbla10545; Neurite growth inhibitor 220; Neuroendocrine-specific protein; NI-250; Nogo A; NOGO; Nogo B; Nogo C; NSP; NSP CL; rat N; Reticulon 4; Reticulon 5; RTN X; RTN4 A; RTN4-B1; Vp20 antibody; anti-RTN4 antibody

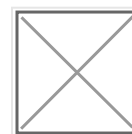
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.59-0.63 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	1192
Applicable Applications for anti-RTN4 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide taken within amino acid region 1100-1200 on Nogo AS protein.
Expression	Isoform 1 is specifically expressed in brain and testis and weakly in heart and skeletal muscle. Isoform 2 is widely expressed except for the liver. Isoform 3 is expressed in brain, skeletal muscle and adipocytes. Isoform 4 is testis-specific.
Molecular Function	poly(A) RNA binding
Structure	Binds to RTN4R, interacts with Bcl-xl and Bcl-2. Isoform 2 binds to NGBR and RTN3. Isoform 2 and Isoform 3 interact with BACE1 and BACE2, interacts with RTN4IP1 and ATL1.
Subcellular Location	Endoplasmic Reticulum membrane; Multi-pass membrane protein
Preparation and Storage	-20• degree C for long term storage

IMAGES



IHC (Immunohistochemistry)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-RTN4 antibody	Affinity Purified Reticulon-4 isoform A Antibody Developmental neurite growth regulatory factor with a role as a negative regulator of axon-axon adhesion and growth, and as a facilitator of neurite branching. Regulates neurite fasciculation, branching and extension in the developing nervous system.
Product Categories/Family for anti-RTN4 antibody	Primary Antibodies; Neuroscience; Neurodegenerative Disease; Nogo Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	24431935
NCBI GeneID	57142
NCBI Accession #	NP_065393.1
NCBI GenBank Nucleotide #	NM_020532.4
UniProt Accession #	Q9NQC3; O94962; Q7L7Q5; Q7L7Q6; Q7L7Q8; Q8IUA4; Q96B16; Q9BXG5; Q9H212; Q9H3I3; Q9UQ42; Q9Y293
Molecular Weight	108,450 Da
NCBI Official Full Name	reticulon-4 isoform A
NCBI Official Synonym Full Names	reticulon 4
NCBI Official Symbol	RTN4
NCBI Official Synonym Symbols	ASY; NSP; NOGO; NOGOC; RTN-X; NOGO-A; NSP-CL; Nogo-B; Nogo-C; RTN4-A; RTN4-C; RTN4-B1; RTN4-B2; NI220/250; Nbla00271; Nbla10545
NCBI Protein Information	reticulon-4
UniProt Protein Name	Reticulon-4
UniProt Gene Name	RTN4
UniProt Synonym Gene Names	KIAA0886; NOGO; Nogo protein; NSP
UniProt Entry Name	RTN4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nogo-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/75727>