

Rabbit anti-Mouse, Rat NOGOA Polyclonal Antibody | anti-NOGOA antibody

RABBIT ANTI HUMAN NOGOA (N-TERMINAL)

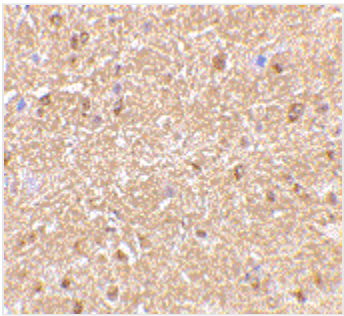
CATALOG # AAA50069	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

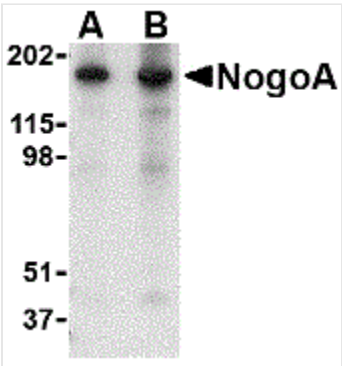
NOGOA; Polyclonal Antibody; RABBIT ANTI HUMAN NOGOA (N-TERMINAL); anti-NOGOA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	199
Applicable Applications for anti-NOGOA antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Histology Positive Control Tissue	Mouse brain Buffer Solution
Antiserum Preparation	Antisera to human NogoA were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



Application Data
Immunohistochemical staining of mouse brain with Rabbit anti Human NogoA (AAA50069)



Application Data
Western blot analysis of mouse brain lysate probed with Rabbit anti Human NogoA (AAA50069) at 0.5(A) and 1(B) ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-NOGOA antibody	Rabbit anti Human NOGOA antibody recognizes human Reticulon-4 (RTN4), also known as NogoA, neurite outgrowth inhibitor, Foocen, Neuroendocrine-specific protein, Neuroendocrine-specific protein C homolog, Reticulon-5 or RTN-x. NogoA is a 1192 amino acid multi pass transmembrane protein associated with the endoplasmic reticulum, a member of a family of integral membrane proteins termed reticulons. Six isoforms of NogoA can be generated by alternative splicing, the canonical isoform 1 is predominantly expressed in the brain and testis with weaker expression in the heart and skeletal muscle. Reticulons are involved in various neurodegenerative diseases such as Amyotrophic lateral sclerosis, and multiple sclerosis (Chiurchiù et al. 2014). Reticulon proteins have been demonstrated to regulate many cellular processes and interact with multiple proteins and receptors such as BACE. NogoA was initially identified as a myelin-associated neurite outgrowth inhibitor (Niederöst et al. 2002). NogoA is highly expressed in oligodendrocytes in the white matter of the CNS (Kuhlmann et al. 2008). Blocking NogoA activity with antibodies or other factors results in improved long distance axonal regeneration and functional recovery in experimental CNS lesion models (Schwab 2004). NOGOA has a predicted molecular weight of 130kDa however, despite its predicted molecular weight, NogoA typically migrates at ~180kDa in an SDS-PAGE. Rabbit anti human NOGOA antibody is expected to recognize all isoforms of NogoA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5902016
NCBI GeneID	57142
NCBI Accession #	NP_008939.1
NCBI GenBank Nucleotide #	NM_007008.2
UniProt Accession #	Q9NQC3; O94962; Q7L7Q5; Q7L7Q6; Q7L7Q8; Q8IU44; Q96B16; Q9BXG5; Q9H212; Q9H3I3; Q9UQ42; Q9Y293
Molecular Weight	108,450 Da
NCBI Official Full Name	reticulon-4 isoform C
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; Human NogoA; My043 protein; foocen; neurite growth inhibitor 220; neurite outgrowth inhibitor; neuroendocrine-specific protein C homolog; reticulon 5
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/nogoa-antibody-western-blot-immunohistochemistry-elisa/50069>