

Product datasheet for **TA336446**

Nogo A (RTN4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, IHC, Simple Western, WB
Recommended Dilution:	Western Blot: 1:500-1:2000, Immunohistochemistry-Paraffin: 1:100, Simple Western: 1:1000, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, ELISA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic sequence corresponding to amino acids 14-30 (DSPPRPQPAFKYQFVRE) of human Nogo A was used as the immunogen for this antibody.
Formulation:	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Whole antisera
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	reticulon 4
Database Link:	NP_008939 Entrez Gene 68585 Mouse Entrez Gene 83765 Rat Entrez Gene 57142 Human Q9NQC3

Background: Nogo-B is a novel myelin-associated, intermediate-length splice variant of Nogo belonging to the reticulon family. It is a multidomain neurite growth inhibitory protein containing several discrete regions with growth inhibitory functions and is a component of the CNS myelin that prevents axonal regeneration in the adult vertebrate CNS. Nogo-B along with NGBR mediated chemotaxis in HUVECs and induced tube formation in 3-dimensional cultures. It is mostly found in intact blood vessels, smooth muscle cells, and endothelial cell, with its N terminus oriented extracellularly and is a regulator of vascular homeostasis and remodeling. It plays an important role in sporadic and familial amyotrophic lateral sclerosis



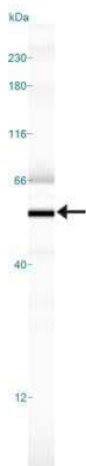
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Synonyms: 250; ASY; Nbla00271; Nbla10545; NI220; NOGO; NOGO-A; Nogo-B; Nogo-C; NOGOC; NSP; NSP-CL; RTN-X; RTN4-A

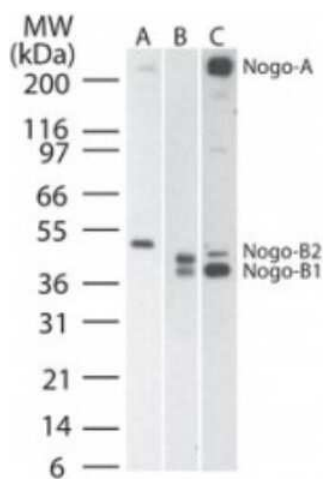
Note: This antibody recognizes Nogo A (approximately 220 kD) and Nogo B2 and B1 (approximately 50 kD and 48 kD in human and 43 kD and 41 kD in mouse and rat, respectively).

Protein Families: Transmembrane

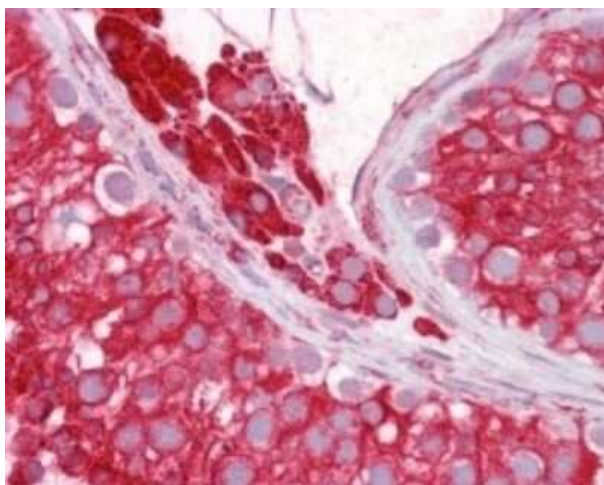
Product images:



Simple Western: Nogo Antibody TA336446 - Lane view shows a specific band for Nogo in 0.05 mg/ml of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Western Blot: Nogo Antibody TA336446 - Analysis of Nogo A and B in A) human, B) mouse, and C) rat brain tissue lysate using Nogo antibody at 1:2000.



Immunohistochemistry-Paraffin: Nogo Antibody TA336446 - Analysis of human testis using Nogo antibody at 1:100.