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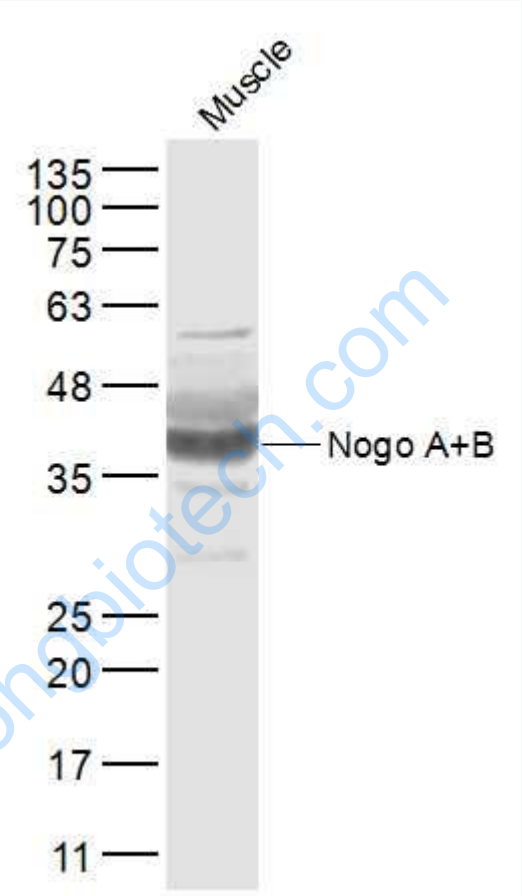
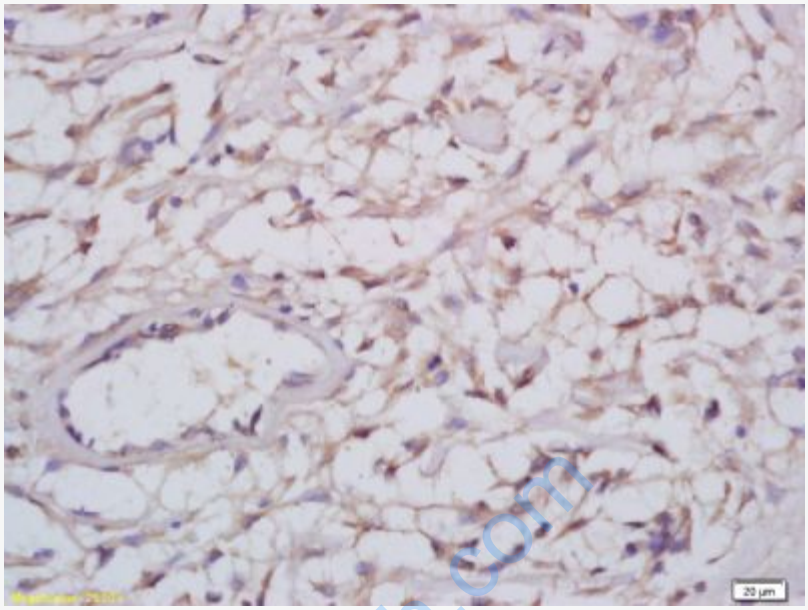
Rabbit Anti-Nogo B antibody

SL1315R

Product Name:	Nogo B
Chinese Name:	轴索过度生长抑制因子B抗体
Alias:	reticulon-4 isoform B; RTN4; RTN4-B1; Nbla10545; RTN-X; reticulon-4A; Nogo-C; NSP; RTN-x; ASY; foocen; NSP-CL; NOGOC; RTN4-A; Reticulon-4; Nbla00271; KIAA0886; NOGOA; Reticulon-5; Foocen; NI220/250; RTN4-C; RTN4-B2; SP1507; NOGO-A; NOGOB; Nogo-B; Nogo-B/A.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human reticulon-4 isoform B:251-357/357
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene belongs to the family of reticulon encoding genes. Reticulons are associated with the endoplasmic reticulum, and are involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells. The product of this gene is a potent

	neurite outgrowth inhibitor which may also help block the regeneration of the central nervous system in higher vertebrates. Alternatively spliced transcript variants derived both from differential splicing and differential promoter usage and encoding different isoforms have been identified. **Function:** NOGO is a potent neurite outgrowth inhibitor which may also help block the regeneration of the central nervous system in higher vertebrates. Adult mammalian axon regeneration is generally successful in the peripheral nervous system but poor in the central nervous system. Inhibition results from physical barriers imposed by glial scars, a lack of neurotrophic factors, and growth-inhibitory molecules associated with myelin, the insulating axon sheath. These molecules include NI35, myelin-associated glycoprotein (159460), and Nogo. Several isoforms (A-E) of NOGO exist. **Subcellular Location:** Endoplasmic reticulum; endoplasmic reticulum membrane; multi-pass membrane protein. Note=Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains. **SWISS:** Q99P72 **Gene ID:** 57142 **Database links:** Entrez Gene: 57142Human Entrez Gene: 68585Mouse Entrez Gene: 83765Rat Omim: 604475Human SwissProt: Q9NQC3Human SwissProt: Q99P72Mouse SwissProt: Q9JK11Rat Unigene: 704007Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Neurobiology相关蛋白（Neurobiology）

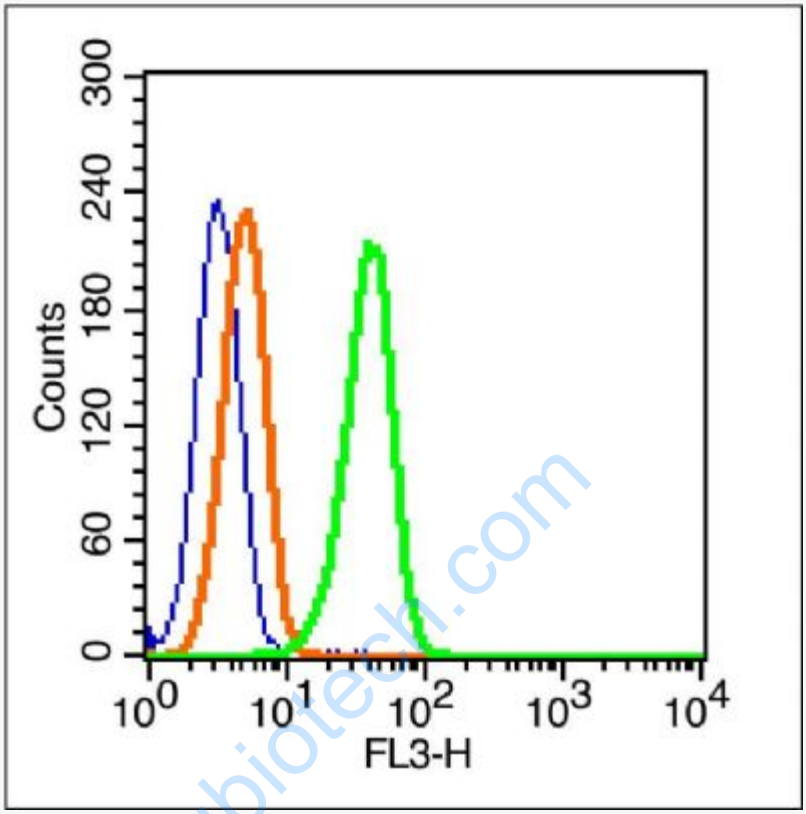
	Nogo-B蛋白是一组参与组织损伤后再生的跨膜功能蛋白，其中Nogo-B位于多种组织器官中而发挥不同的功能。目前研究发现，Nogo-B与Tumour抑制、凋亡、神经系统再生抑制、血管内膜损伤修复等多种病理生理过程有不同程度的关系.
Picture:	 Sample: Muscle (Mouse) Lysate at 40 ug Primary: Anti-Nogo A+B (SL1315R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 39 kD



Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-Nogo-B Polyclonal Antibody, Unconjugated(SL1315R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line): A431(blue).

Primary Antibody (green line): Rabbit Anti-Nogo A+B/PE-CY5 Conjugated antibody (SL1315R)

Dilution: 1µg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG-PE-CY5 .

Protocol

The cells were fixed with 70% ice-cold methanol overnight at 4℃ . The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature.Acquisition of 20,000 events was performed.