

Datasheet for ABIN372912
anti-Reticulon 4 antibody (N-Term)

2 Images

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Overview

Quantity:	50 µg
Target:	Reticulon 4 (RTN4)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Reticulon 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated corresponding to 23 amino acids from near the amino terminus of Human NOGO-A.
Isotype:	IgG
Specificity:	This antibody reacts to Neuroendocrine-specific Protein C (RTN4/NOGO).
Cross-Reactivity (Details):	Species reactivity (expected): Mouse and Rat. Species reactivity (tested): Human.
Purification:	Immunoaffinity Chromatography.

Target Details

Target:	Reticulon 4 (RTN4)
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Target Details

Alternative Name:	Reticulon-4 / RTN4 (RTN4 Products)
Background:	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, and Nogo (Neurite Outgrowth Inhibitor). Nogo is a potent neurite outgrowth inhibitor which may also help block the regeneration of the central nervous system in adults.Synonyms: Foocen, KIAA0886, NOGO, NSP, Neurite outgrowth inhibitor, Neuroendocrine-specific protein, Neuroendocrine-specific protein C homolog, Reticulon-5
Gene ID:	57142
NCBI Accession:	NP_008939
UniProt:	Q9NQC3
Pathways:	Neurotrophin Signaling Pathway , Regulation of Cell Size , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	ELISA. Western blot: 0.5-1.0 µg/mL. Immunohistochemistry on Paraffin Sections: 3 µg/mL. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

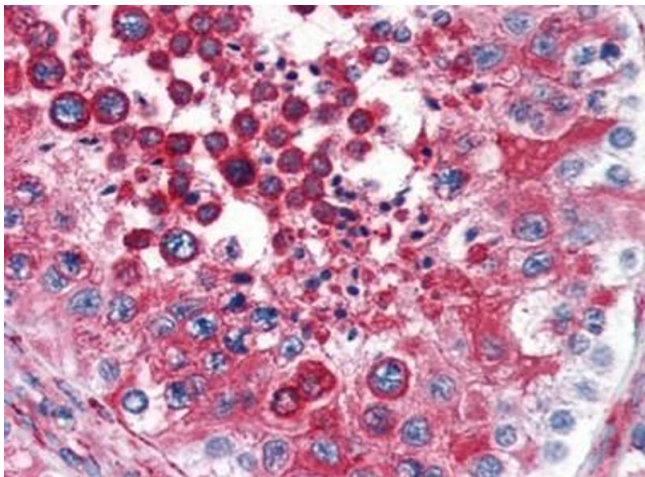


Image 1.

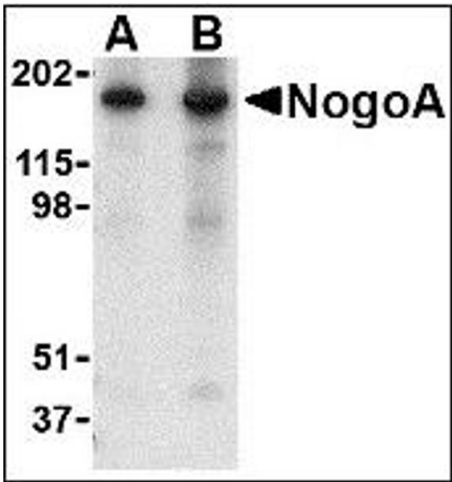


Image 2.