

Datasheet for 100-401-H97**Nogo-A B Antibody****Overview**

Description:	Anti-Nogo-A B (RABBIT) Antibody - 100-401-H97
Item No.:	100-401-H97
Size:	200 µL
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Nogo B 1/2 is a novel myelin-associated, intermediate-length splice variant of Nogo belonging to the reticulon family. It is a multi domain 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 B1/2 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. Anti-Nogo A/B is ideal for researchers interested in Neurobiology research.
Synonyms:	KIAA0886, NOGO, Reticulon-4, Foocen, Neurite outgrowth inhibitor, Nogo protein, Neuroendocrine-specific protein, NSP, Neuroendocrine-specific protein C homolog, RTN-x, Reticulon-5
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	RTN4
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Nogo-A/B Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic sequence corresponding to internal Nogo-A human protein.
Purity/Specificity:	Anti-Nogo A/B Antibody is sera. A BLAST analysis was used to suggest cross-reactivity with Anti-Nogo-A B from human, mouse, and rat based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-Nogo-A B from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9NQC3 • NCBI - NP_008939.1 • GeneID - 57142

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Nogo A/B Antibody has been tested by WB, ELISA, ICC/IF, IHC, IHC-P. Expect a band approximately 48-50kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IF:	User Optimized
IHC:	1:100
WB:	1:500-1:2000

Formulation

Physical State:	Liquid
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	0.05% BSA

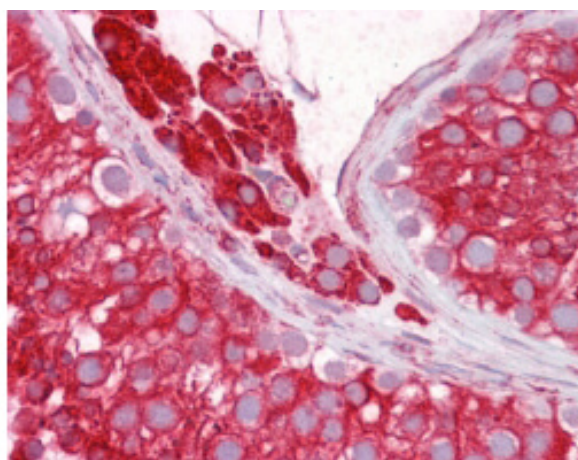
Shipping & Handling

Shipping Condition:	Dry Ice
----------------------------	---------

Storage Condition: Store Nogo A B antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

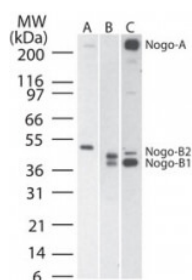
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of Rabbit Anti-Nogo A B antibody. Tissue: human testis. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Nogo antibody at 1:100 for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT.



Western Blot

Western Blot of Rabbit Anti-Nogo A B antibody. Lane 1: Human. Lane 2: Mouse. Lane 3: Rat brain tissue. Primary antibody: Nogo antibody at 1:2000 µg/mL for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa for Nogo A B. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.