

Datasheet for ABIN959415
anti-Reticulon 4 antibody (AA 14-30)



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2 Images

Overview

Quantity:	50 µL
Target:	Reticulon 4 (RTN4)
Binding Specificity:	AA 14-30
Reactivity:	Human, Mouse, Rat, Monkey, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Reticulon 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	A synthetic sequence corresponding to amino acids 14-30 (DSPPRPQPAFKYQFVRE) of human Nogo-B was used as the immunogen, GenBank no. AAG40878.1 AF320999_1. Percent identity by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Pig (100%), Bovine (94%), Mouse, Rat, Bat, Dog (88%), Opossum (82%).
Specificity:	This recognizes Nogo-A (approx. 220 kD) and Nogo-B2 and B1 (approx. 50 kD and 48 kD in human and 43 kD and 41 kD in mouse and rat, respectively).
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Pig (100%) Bovine (94%) Mouse, Rat, Bat, Dog (88%) Opossum (82%).
Purification:	Protein G purified

Target Details

Target:	Reticulon 4 (RTN4)
Alternative Name:	RTN4 / Nogo (RTN4 Products)
Background:	Name/Gene ID: RTN4 Family: Reticulon Synonyms: RTN4, Human NogoA, My043 protein, Neurite outgrowth inhibitor, NOGOC, NSP-CL, Nogo protein, KIAA0886, Reticulon 5, Reticulon-4, Reticulon-5, Reticulon 4, RTN4-B1, RTN-X, RTN4-A, RTN4-B2, RTN4-C, Nbla00271, Neurite growth inhibitor 220, NI220/250, NOGO-A, Nogo-C, ASY, Foccen, Nbla10545, NOGO, Nogo-B, NSP
Gene ID:	57142
UniProt:	Q9NQC3
Pathways:	Neurotrophin Signaling Pathway , Regulation of Cell Size , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Approved: IHC, IHC-P (1:100), WB (1:500 - 1:2000) Usage: 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).
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

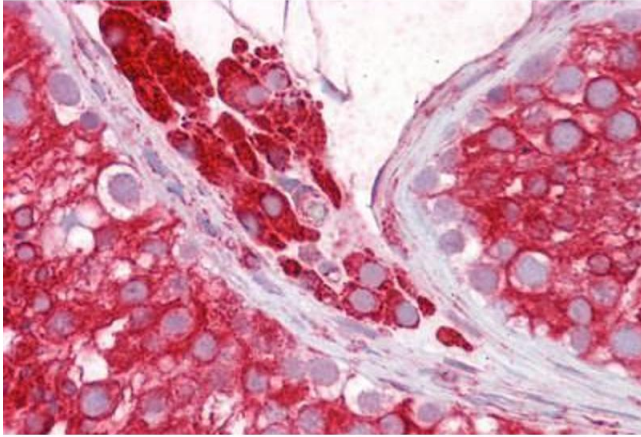
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS and 0.05 % sodium azide
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 freeze-thaw cycles.
Storage:	4 °C, -20 °C

Handling

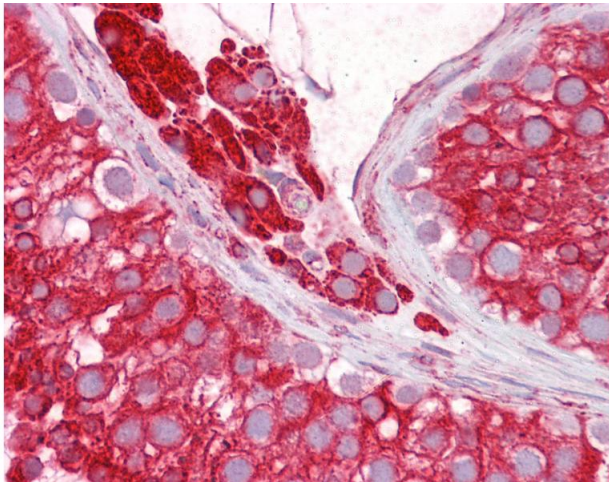
Storage Comment: Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Anti-RTN4 / Nogo antibody IHC staining of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN959415 dilution 1:100.



Immunohistochemistry

Image 2. Anti-RTN4 / Nogo antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:100.