

ARG44018 anti-RTN4 / Nogo A antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RTN4 / Nogo A
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RTN4 / Nogo A
Species	Human
Immunogen	Human RTN4 / Nogo A recombinantprotein
Conjugation	Un-conjugated
Alternate Names	RTN4; Reticulon 4; NOGO; KIAA0886; NSP-CL; ASY; Neuroendocrine-Specific Protein C Homolog; Neurite Outgrowth Inhibitor; Reticulon-4; Focnen; RTN-X; NSP; Neuroendocrine-Specific Protein; Neurite Growth Inhibitor 220; My043 Protein; Nogo Protein; Human NogoA; Reticulon 5; Reticulon-5; NI220/250; Nbla00271; Nbla10545; RTN4-B1; RTN4-B2; RTN4-A; RTN4-C

Application Instructions

Application table	Application	Dilution
	IHC-P	2.5 µg/mL
	WB	0.5-1 µg/mL

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

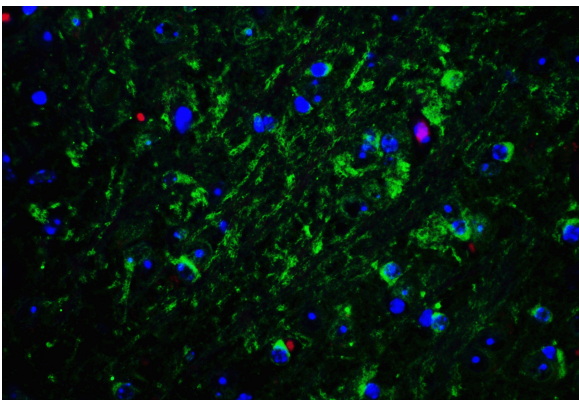
Properties

Form	Liquid
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

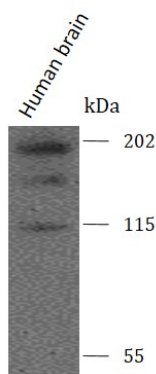
Gene Symbol	RTN4
Gene Full Name	Reticulon 4
Background	This gene belongs to the family of reticulon encoding genes. Reticulons are associated with the endoplasmic reticulum, and are involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells. The product of this gene is a 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	Developmental neurite growth regulatory factor with a role as a negative regulator of axon-axon adhesion and growth, and as a facilitator of neurite branching. Regulates neurite fasciculation, branching and extension in the developing nervous system. Involved in down-regulation of growth, stabilization of wiring and restriction of plasticity in the adult CNS.
Calculated Mw	130 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Cell junction, Cell membrane, Endoplasmic reticulum, Membrane

Images



ARG44018 anti-RTN4 / Nogo A antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG44018 anti-RTN4 / Nogo A antibody at 20 $\mu\text{g}/\text{mL}$ dilution.



ARG44018 anti-RTN4 / Nogo A antibody WB image

Western blot: Human brain stained with ARG44018 anti-RTN4 / Nogo A antibody at 1 $\mu\text{g}/\text{mL}$ dilution.