

NogoA Antibody

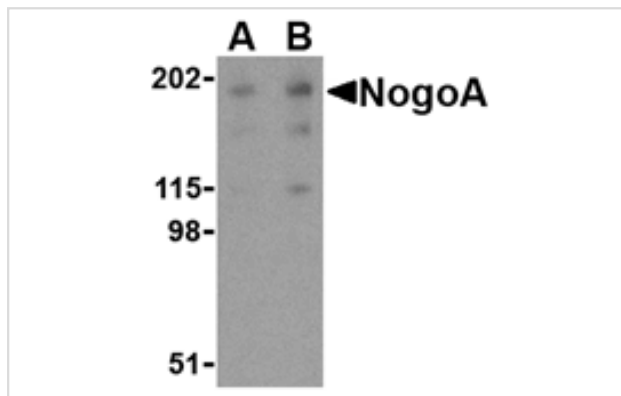
Catalog No: #24516

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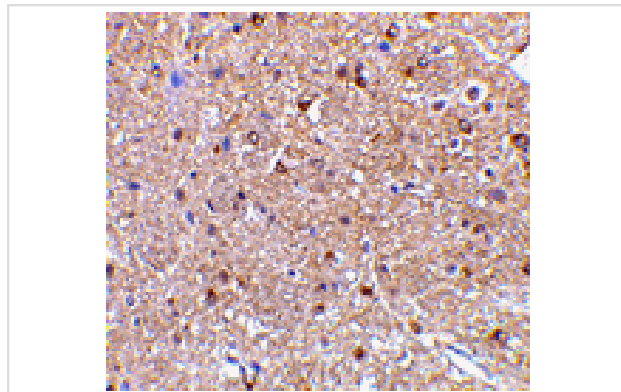
Description

Product Name	NogoA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IHC
Species Reactivity	Hu Ms Rt
Specificity	At least five isoforms of Nogo are known to exist; this antibody is specific for NogoA and NogoE.
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide from near the center of human NogoA.
Target Name	NogoA
Other Names	Neurite outgrowth inhibitor A, reticulon 4, RTN4
Accession No.	NP_065393
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of NogoA in human brain tissue lysate with NogoA antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of NogoA in mouse brain tissue with NogoA antibody at 2.5 ug/mL.

Background

NogoA is a member of a family of integral membrane proteins termed reticulons that are thought to be involved in numerous disorders including neurodegenerative diseases. Reticulon proteins are known to regulate many cellular processes and interact with multiple proteins and receptors such as BACE. NogoA was initially identified as a myelin-associated neurite outgrowth inhibitor. It is highly expressed in oligodendrocytes in the white matter of the CNS; blocking its activity with antibodies or other factors results in improved axon regrowth and functional recovery in experimental CNS lesion models. NogoA has also been suggested to play a role in neurodegenerative diseases such as Amyotrophic lateral sclerosis, in which case NogoA is found at elevated levels in postmortem muscular samples, and multiple sclerosis (MS), in which case autoantibodies to NogoA have been found in serum and cerebrospinal fluid in MS patients.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.