

NgR2/RTN4RL2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57293

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q86UN3
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46106

Additional Information

Gene ID	349667
Other Names	Reticulon-4 receptor-like 2, Nogo receptor-like 3, Nogo-66 receptor homolog 1, Nogo-66 receptor-related protein 2, NgR2, RTN4RL2 (HGNC:23053)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RTN4RL2 (HGNC:23053)
Function	Cell surface receptor that plays a functionally redundant role in the inhibition of neurite outgrowth mediated by MAG (By similarity). Plays a functionally redundant role in postnatal brain development. Contributes to normal axon migration across the brain midline and normal formation of the corpus callosum. Does not seem to play a significant role in regulating axon regeneration in the adult central nervous system. Protects motoneurons against apoptosis; protection against apoptosis is probably mediated by MAG (By similarity). Like other family members, plays a role in restricting the number dendritic spines and the number of synapses that are formed during brain development (PubMed: 22325200). Signaling mediates activation of Rho and downstream reorganization of the actin cytoskeleton (PubMed: 22325200).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Membrane raft. Cell projection, dendrite {ECO:0000250 UniProtKB:Q7M6Z0}. Perikaryon {ECO:0000250 UniProtKB:Q80WD1}. Cell projection, axon {ECO:0000250 UniProtKB:Q80WD1}. Note=Localized to the surface of

neurons, including axons. Detected close to synapses, but is excluded from synapses. {ECO:0000250|UniProtKB:Q7M6Z0}

Tissue Location

Highly expressed in brain and liver. Expressed at lower levels in kidney, mammary gland, placenta, skeletal muscle, spleen and thyroid.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.