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RTN4RL1 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI15533

Specification

RTN4RL1 Antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q86UN2
Other Accession	NM_178568, NP_848663
Reactivity	**Human, Rabbit, Pig, Horse, Bovine**
Predicted	**Human, Rabbit, Pig, Horse, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**49kDa KDa**

RTN4RL1 Antibody - middle region - Additional Information

Gene ID 146760

Alias Symbol	**DKFZp547J144, NGRH2, NgR3**

Other Names
Reticulon-4 receptor-like 1, Nogo receptor-like 2, Nogo-66 receptor homolog 2, Nogo-66 receptor-related protein 3, NgR3, RTN4RL1 (HGNC:21329)

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-RTN4RL1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
RTN4RL1 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

RTN4RL1 Antibody - middle region - Protein Information

Name RTN4RL1 (HGNC:21329)

Function
Cell surface receptor. Plays a functionally redundant role in postnatal brain development and in regulating axon regeneration in the adult central nervous system. Contributes to normal axon migration across the brain midline and normal formation of the corpus callosum. Protects motoneurons against apoptosis; protection against apoptosis is probably mediated by MAG. Plays a role in inhibiting neurite outgrowth and axon regeneration via its binding to neuronal chondroitin sulfate proteoglycans. Binds heparin (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. Perikaryon {ECO:0000250|UniProtKB:Q80WD0}. Cell projection {ECO:0000250|UniProtKB:Q80WD0}. Note=Localized to the surface of neurons, including axons. {ECO:0000250|UniProtKB:Q80WD0}

Tissue Location

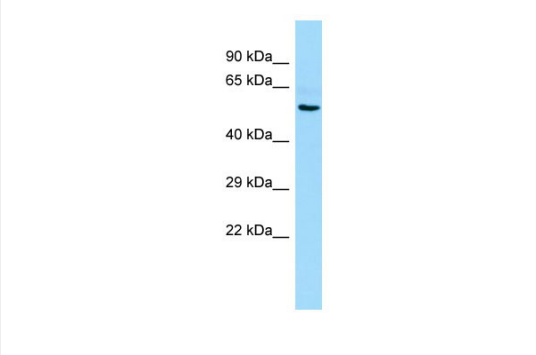
Predominantly expressed in brain. Expressed at lower levels in kidney, lung, mammary gland, placenta, salivary gland, skeletal muscle and spleen.

RTN4RL1 Antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RTN4RL1 Antibody - middle region - Images



Host: Rabbit
Target Name: RTN4RL1
Sample Tissue: Placenta lysates
Antibody Dilution: 1.0µg/ml

RTN4RL1 Antibody - middle region - References

Lauren J.,et al.Mol. Cell. Neurosci. 24:581-594(2003).
Pignot V.,et al.J. Neurochem. 85:717-728(2003).
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Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Barton W.A.,et al.EMBO J. 22:3291-3302(2003).