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RTN4RL2 Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS16002

Specification

RTN4RL2 Antibody (C-Terminus) - Product Information

Application	**WB, IHC**
Primary Accession	Q86UN3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46kDa KDa**

RTN4RL2 Antibody (C-Terminus) - 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)

Target/Specificity
Three alternatively spliced transcript variants have been observed. RTN4RL2 antibody is predicted to not cross-react with other Nogo receptor-like proteins.

Reconstitution & Storage
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
RTN4RL2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

RTN4RL2 Antibody (C-Terminus) - 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}

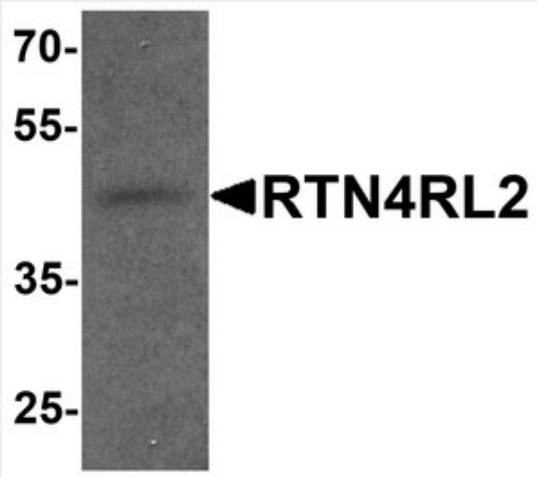
Tissue Location
Highly expressed in brain and liver. Expressed at lower levels in kidney, mammary gland, placenta, skeletal muscle, spleen and thyroid.

RTN4RL2 Antibody (C-Terminus) - Protocols

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

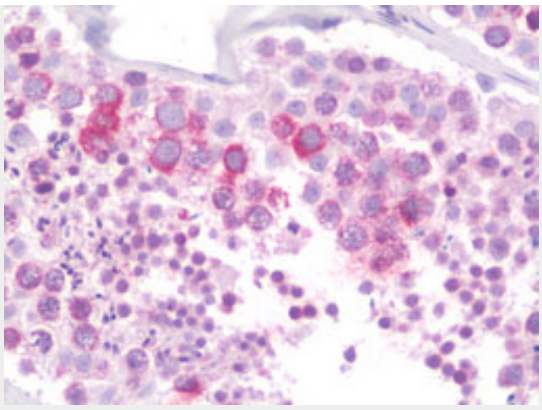
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RTN4RL2 Antibody (C-Terminus) - Images



Western blot analysis of RTN4RL2 in rat brain tissue lysate with RTN4RL2 antibody at 1 ug/ml.

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Anti-RTN4RL2 antibody IHC staining of human testis.

RTN4RL2 Antibody (C-Terminus) - Background

May play a role in regulating axonal regeneration and plasticity in the adult central nervous system.

RTN4RL2 Antibody (C-Terminus) - References

Pignot V.,et al.J. Neurochem. 85:717-728(2003).
Lauren J.,et al.Mol. Cell. Neurosci. 24:581-594(2003).
Rader C.,et al.Submitted (JUL-2006) to the EMBL/GenBank/DDBJ databases.
Taylor T.D.,et al.Nature 440:497-500(2006).
Barton W.A.,et al.EMBO J. 22:3291-3302(2003).