

RTN4RL1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP5265b**Specification**

RTN4RL1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q86UN2](#)**RTN4RL1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 146760**Other Names**

Reticulon-4 receptor-like 1, Nogo receptor-like 2, Nogo-66 receptor homolog 2, Nogo-66 receptor-related protein 3, NgR3, RTN4RL1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=21329)
HGNC:21329

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RTN4RL1 Antibody (C-term) Blocking Peptide - 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:<http://www.uniprot.org/citations/22325200>). Signaling mediates activation of Rho and downstream reorganization of the actin cytoskeleton (PubMed:<http://www.uniprot.org/citations/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 (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RTN4RL1 Antibody (C-term) Blocking Peptide - Images**RTN4RL1 Antibody (C-term) Blocking Peptide - Background**

RTN4RL1 may play a role in regulating axonal regeneration and plasticity in the adult central nervous system.

RTN4RL1 Antibody (C-term) Blocking Peptide - References

Lauren, J., et al. Mol. Cell. Neurosci. 24(3):581-594(2003) Barton, W.A., et al. EMBO J. 22(13):3291-3302(2003) Pignot, V., et al. J. Neurochem. 85(3):717-728(2003)