

**RTN4RL1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57758****Specification**

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**RTN4RL1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q86UN2</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49065

**RTN4RL1 Polyclonal Antibody - 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](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=21329))  
HGNC:21329

**Dilution**

IHC-P ~ N/A  
IHC-F ~ N/A  
IF ~ 1:50 ~ 200  
ICC ~ N/A  
E ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**RTN4RL1 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/22325200" target="\_blank">22325200</a>). Signaling mediates activation of Rho and downstream reorganization of the actin cytoskeleton (PubMed:<a href="http://www.uniprot.org/citations/22325200" target="\_blank">22325200</a>).

**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 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RTN4RL1 Polyclonal Antibody - Images**