

**NgR2/RTN4RL2 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57293****Specification****NgR2/RTN4RL2 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q86UN3</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46106

**NgR2/RTN4RL2 Polyclonal Antibody - 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](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=23053))

**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.

**NgR2/RTN4RL2 Polyclonal Antibody - 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:<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. 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.

### **NgR2/RTN4RL2 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](#)

### **NgR2/RTN4RL2 Polyclonal Antibody - Images**