

**RTN4RL2 Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15349****Specification**

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**RTN4RL2 Antibody - C-terminal region - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">Q86UN3</a>                                |
| Other Accession   | <a href="#">NM_178570</a> , <a href="#">NP_848665</a> |
| Reactivity        | Human, Mouse, Rat, Horse, Bovine, Dog                 |
| Predicted         | Human, Mouse, Rat, Horse, Bovine, Dog                 |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Calculated MW     | 38kDa KDa   |

**RTN4RL2 Antibody - C-terminal region - Additional Information****Gene ID** 349667**Alias Symbol** **NGRH1, NgR2****Other Names**

Reticulon-4 receptor-like 2, Nogo receptor-like 3, Nogo-66 receptor homolog 1, Nogo-66 receptor-related protein 2, NgR2, RTN4RL2 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=23053" target="\_blank">HGNC:23053</a>)

**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-RTN4RL2 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**

RTN4RL2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**RTN4RL2 Antibody - C-terminal region - 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

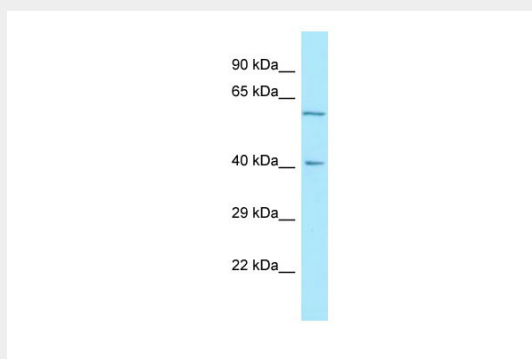
Highly expressed in brain and liver. Expressed at lower levels in kidney, mammary gland, placenta, skeletal muscle, spleen and thyroid.

### RTN4RL2 Antibody - C-terminal 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 Cytometry](#)
- [Cell Culture](#)

### RTN4RL2 Antibody - C-terminal region - Images



WB Suggested Anti-RTN4RL2 Antibody Titration: 1.0 µg/ml  
Positive Control: A549 Whole Cell

### RTN4RL2 Antibody - C-terminal region - 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).