

**NgR3 Rabbit mAb**  
**Catalog # AP76615****Specification**

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**NgR3 Rabbit mAb - Product Information**

Application	WB, ICC
Primary Accession	<a href="#">Q86UN2</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	49065

**NgR3 Rabbit mAb - Additional Information****Gene ID** 146760**Other Names**  
RTN4RL1**Dilution**  
WB~~1/500-1/1000  
ICC~~N/A**Format**  
Liquid**NgR3 Rabbit mAb - 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.

**NgR3 Rabbit mAb - 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](#)

**NgR3 Rabbit mAb - Images**

