

**Anti-NgR3 Rabbit Monoclonal Antibody**  
Catalog # ABO16423**Specification****Anti-NgR3 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC
Primary Accession	<a href="#">Q86UN2</a>
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-NgR3 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

**Anti-NgR3 Rabbit Monoclonal 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 ([HGNC:21329](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=21329))

**Calculated MW**

49 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human NgR3

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-NgR3 Rabbit Monoclonal 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.

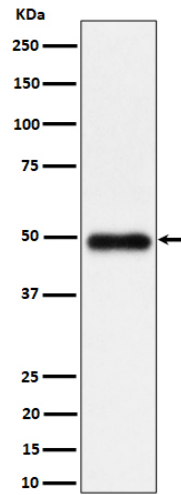
### **Anti-NgR3 Rabbit Monoclonal Antibody - Protocols**

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](#)

### **Anti-NgR3 Rabbit Monoclonal Antibody - Images**





Western blot analysis of NgR3 expression in K562 cell lysate.