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Anti-NgR3 Rabbit Monoclonal Antibody

Catalog # ABO16423

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	Q86UN2
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.

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)
Calculated MW	49065
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Source	Eukaryota
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.
Clone Names	Clone: 29R59
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.

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:22325200). Signaling mediates activation of Rho and downstream reorganization of the actin cytoskeleton (PubMed:22325200).

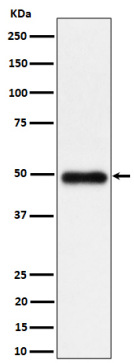
Cellular Location

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.

Images



Western blot analysis of NgR3 expression in K562 cell lysate.