

Product Name: NgR3 (8Q7) Rabbit Monoclonal Antibody
Catalog #: AMRe14682

Summary

Production Name	NgR3 (8Q7) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	RTN4RL1
Alternative Names	NgR3; NGRH2; NGRL2; RTN4RL1;
Gene ID	146760.0
SwissProt ID	Q86UN2.A synthetic peptide of human NgR3

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	49kDa

Background

May play a role in regulating axonal regeneration and plasticity in the adult central nervous system. Cell surface receptor.

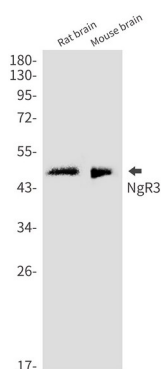
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Plays a functionally redundant role in postnatal brain development and in regulating axon regeneration in the adult central nervous system. Contributes to normal axon migration across the brain midline and normal formation of the corpus callosum. Protects 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).

Research Area

Image Data



Western blot detection of NgR3 in A549,HL-60,U2OS cell lysates using NgR3 antibody(1:1000 diluted).

Note

For research use only.