R4RL2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	R4RL2, Polyclonal Antibody
Full Product Name	R4RL2, CT (RTN4RL2, NGRH1, NGRL3, Reticulon-4 receptor-like 2, Nogo receptor-like 3, Nogo-66 receptor homolog 1, Nogo-66 receptor-related protein 2) (MaxLight 405)
Product Gene Name	anti-R4RL2 antibody
Product Synonym Gene Name	RTN4RL2
Product Synonym Names	RTN4RL2; NGRH1; NGRL3; Reticulon-4 receptor-like 2; Nogo receptor-like 3; Nogo-66 receptor homolog 1; Nogo-66 receptor-related protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	21,373 Da
OMIM	610462
3D Structure	ModBase 3D Structure for Q86UN3
Immunogen	R4RL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 278-308 amino acids from the C-terminal region of human R4RL2.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-R4RL2 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-R4RL2 antibody	Western Blot (WB), FLISA
Application Notes for anti-R4RL2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-R4RL2 antibody	RTN4RL2 may play a role in regulating axonal regeneration and plasticity in the adult central nervous system.
Product References and Citations for anti-R4RL2 antibody	Lee, H., et al. J. Neurosci. 28(11):2753-2765(2008). Taylor, T.D., et al. Nature 440(7083):497-500(2006). Walmsley, A.R., et al. Biochem. Biophys. Res. Commun. 327(1):112-116(2005). Lauren, J., et al. Mol. Cell. Neurosci. 24(3):581-594(2003). Barton, W.A., et al. EMBO J. 22(13):3291-3302(2003).

Other Notes	Small volumes of anti-R4RL2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for R4RL2 purchase	MBS6339497 is an antibody targeting R4RL2. Also known as R4RL2, CT (RTN4RL2, NGRH1, NGRL3, Reticulon-4 receptor-like 2, Nogo receptor-like 3, Nogo-66 receptor homolog 1, Nogo-66 receptor-related protein 2) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for R4RL2. It may not necessarily be applicable to this product.

NCBI GI #	30425563
NCBI GeneID	349667
NCBI Accession #	NP_848665.1
UniProt Primary Accession #	Q86UN3
UniProt Secondary Accession #	Q0GGW3; Q17RL9; Q6X813
UniProt Related Accession #	Q86UN3
GenBank Nucleotide #	NM_178570.2
NCBI Official Full Name	reticulon-4 receptor-like 2
NCBI Official Synonym Full Names	reticulon 4 receptor-like 2
NCBI Official Symbol	RTN4RL2
NCBI Official Synonym Symbols	NgR2; NGRH1
UniProt Protein Name	Reticulon-4 receptor-like 2
UniProt Synonym Protein Names	Nogo receptor-like 3; Nogo-66 receptor homolog 1; Nogo-66 receptor-related protein 2; NgR2
UniProt Gene Name	RTN4RL2
UniProt Synonym Gene Names	NgR2
UniProt Entry Name	R4RL2_HUMAN
NCBI Protein Information	reticulon-4 receptor-like 2; RTN4RL2; nogo receptor-like 3; Nogo-66 receptor homolog 1; nogo-66 receptor-related protein 2
UniProt Comments for R4RL2	RTN4RL2: May play a role in regulating axonal regeneration and plasticity in the adult central nervous system. Belongs to the Nogo receptor family. Protein type: Cell development/differentiation; Receptor, misc.; Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 11q12.1 Cellular Component: cell surface; anchored to plasma membrane; external side of plasma membrane; lipid raft Molecular Function: receptor activity Biological Process: axon regeneration
Research Articles on R4RL2	**1.** These results indicate that a lack of NgR1/2 expression promotes the adhesion of DCs to myelin.
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