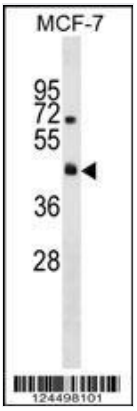
R4RL2 Antibody – Rabbit Polyclonal

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) (FITC)
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 Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and 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	FITC
Note	Preservative Free
Special Handling	Light sensitive
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	MBS6339495 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) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-R4RL2 antibody
R4RL2 Antibody (C-term) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the R4RL2 antibody detected the R4RL2 protein (arrow).

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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/r4rl2/6339495