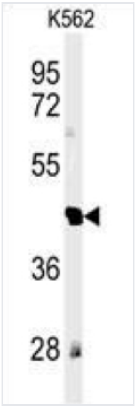
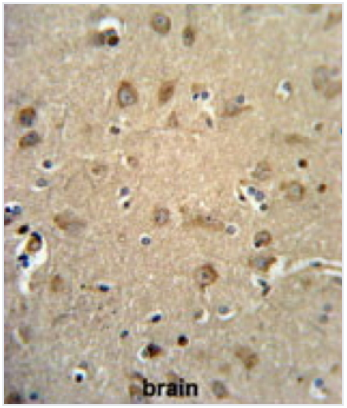
RTN4RL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RTN4RL1, Polyclonal Antibody
Full Product Name	RTN4RL1, CT (RTN4RL1, NGRH2, NGRL2, Reticulon-4 receptor-like 1, Nogo receptor-like 2, Nogo-66 receptor homolog 2, Nogo-66 receptor-related protein 3) (MaxLight 405)
Product Gene Name	anti-RTN4RL1 antibody
Product Synonym Names	RTN4RL1; NGRH2; NGRL2; Reticulon-4 receptor-like 1; Nogo receptor-like 2; Nogo-66 receptor homolog 2; Nogo-66 receptor-related protein 3
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 and Peptide Affinity Chromatography.
Specificity	Recognizes human RTN4RL1.
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	49,065 Da
OMIM	610461
3D Structure	ModBase 3D Structure for Q86UN2
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 326-355 in the C-terminal region of human RTN4RL1.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-RTN4RL1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-RTN4RL1 antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB), Flow Cytometry (FC/FACS), FLISA
Application Notes for anti-RTN4RL1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RTN4RL1 antibody	MBS6344375 is an antibody targeting RTN4RL1. Also known as RTN4RL1, CT (RTN4RL1, NGRH2, NGRL2, Reticulon-4 receptor-like 1, Nogo receptor-like 2, Nogo-66 receptor homolog 2, Nogo-66 receptor-related protein 3) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-RTN4RL1 antibody	1. Lauren, J., et al. Mol. Cell. Neurosci. 24(3):581-594(2003). 2. Barton, W.A., et al. EMBO J. 22(13):3291-3302(2003). 3. Pignot, V., et al. J. Neurochem. 85(3):717-728(2003).
Other Notes	Small volumes of anti-RTN4RL1 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.



Western Blot (WB) of anti-RTN4RL1 antibody
Western Blot analysis in K562 cell line lysates (35ug/lane) usingMBS6004094. RTN4RL1 (arrow) was detected usingMBS6004094.



Immunohistochemistry (IHC) of anti-RTN4RL1 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue using MBS6004094 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6004094 for immunohistochemistry.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RTN4RL1. It may not necessarily be applicable to this product.

NCBI GI #	30425553
NCBI GeneID	146760
NCBI Accession #	NP_848663.1
UniProt Primary Accession #	Q86UN2
UniProt Secondary Accession #	Q8ND46; A1A5E3
UniProt Related Accession #	Q86UN2
GenBank Nucleotide #	NM_178568.3
NCBI Official Full Name	reticulon-4 receptor-like 1
NCBI Official Synonym Full Names	reticulon 4 receptor-like 1
NCBI Official Symbol	RTN4RL1
NCBI Official Synonym Symbols	NgR3; NGRH2
UniProt Protein Name	Reticulon-4 receptor-like 1
UniProt Synonym Protein Names	Nogo receptor-like 2; Nogo-66 receptor homolog 2; Nogo-66 receptor-related protein 3; NgR3
Protein Family	Reticulon-4 receptor
UniProt Gene Name	RTN4RL1
UniProt Synonym Gene Names	NgR3
UniProt Entry Name	R4RL1_HUMAN
NCBI Protein Information	reticulon-4 receptor-like 1

UniProt Comments for RTN4RL1	RTN4RL1: May play a role in regulating axonal regeneration and plasticity in the adult central nervous system. Belongs to the Nogo receptor family. Protein type: Membrane protein, integral; Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 17p13.3 Cellular Component: cell surface; anchored to plasma membrane; lipid raft; external side of plasma membrane Molecular Function: receptor activity Biological Process: axon regeneration
Research Articles on RTN4RL1	**1.** Nogo receptor 3, a paralog of NgR1,functions as a NgR1 co-receptor for Nogo-66.
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.
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