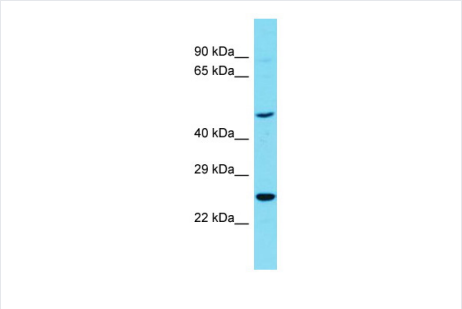
RTN4RL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RTN4RL1, Polyclonal Antibody
Full Product Name	RTN4RL1 Antibody - C-terminal region
Product Gene Name	anti-RTN4RL1 antibody
Product Synonym Gene Name	NGRH2; NgR3
Immunogen Sequence	Synthetic peptide located within the following region: RPGHRKPGKN CTNPRNRNQI SKAGAGKQAP ELPDYAPDYQ HKFSFDIMPT
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Cow, Dog, Horse, Human, Pig
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	RTN4RL1 peptide (MBS3242514) is used for blocking the activity of RTN4RL1 antibody (MBS3217618)
Molecular Weight	49kDa
OMIM	610461
3D Structure	ModBase 3D Structure for Q86UN2
Homology	Cow: 86%; Dog: 79%; Horse: 79%; Human: 100%; Pig: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the C-terminal region of Human RTN4RL1
Product Categories/Family for anti-RTN4RL1 antibody	Polyclonal; Neurobiology
Applications Tested/Suitable for anti-RTN4RL1 antibody	Western Blot (WB)
Related Product Information for anti-RTN4RL1 antibody	This is a rabbit polyclonal antibody against RTN4RL1. It was validated on Western Blot Target Description: RTN4RL1 may play a role in regulating axonal regeneration and plasticity in the adult central nervous system.
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.
Searchable Terms for RTN4RL1 purchase	MBS3217618 is an antibody targeting RTN4RL1. Also known as RTN4RL1 Antibody - C-terminal region. Reactive in Cow, Dog, Horse, Human, Pig. Host: Rabbit.



Western Blot (WB) of anti-RTN4RL1 antibody
Host: RabbitTarget Name: RTN4RL1Sample Type: OVCAR-3 Whole Cell lysatesAntibody Dilution: 1.0ug/ml

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
UniProt Primary Accession #	Q86UN2
UniProt Related Accession #	Q86UN2
GenBank Nucleotide #	NM_178568
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.** Duplication of 10q22.3-q23.3 encompassing NGR3 gene is associated with congenital heart disease, microcephaly, and mild intellectual disability

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