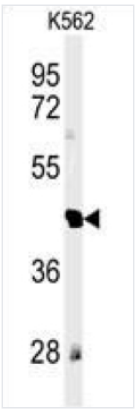
# RTN4RL1 Antibody – Rabbit Polyclonal

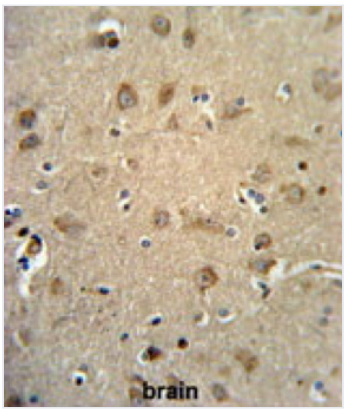
## PRODUCT OVERVIEW

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|---|---|
| **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) (APC) |
| **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 Allophycocyanin (APC). |
| **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: APC 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** | APC |
| **Note** | Preservative Free |
| **Special Handling** | Light sensitive |
| **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** | MBS6344371 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) (APC). 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). |

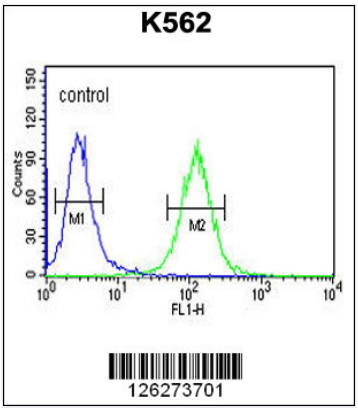
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| **Other Notes** | Small volumes of anti-RTN4RL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid 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.




**Flow Cytometry (FC/FACS) of anti-RTN4RL1 antibody**
Flow Cytometric analysis of K562 cells using MBS6004094 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

## 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 |

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|---|---|
| **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.<br><br>Protein type: Membrane protein, integral; Membrane protein, GPI anchor<br><br>Chromosomal Location of Human Ortholog: 17p13.3<br><br>Cellular Component: cell surface; anchored to plasma membrane; lipid raft; external side of plasma membrane<br><br>Molecular Function: receptor activity<br><br>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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