

Datasheet for 600-401-EC5**RTN4RL2 Antibody****Overview**

Description:	Anti-RTN4RL2 (RABBIT) Antibody - 600-401-EC5
Item No.:	600-401-EC5
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Reticulon 4 receptor-like 2 (RTN4RL2), also known as NgR2 and NgRH1, is a 60 kDa glycosylphosphatidylinositol-anchored protein that is expressed primarily in the brain. It contains eight leucine-rich repeats that are flanked by cysteine-rich sequences at both the N- and C-termini. The membrane anchored RTN4RL2 can be solubilized through the action of phospholipase or an unidentified MTMMP to generate a 46 kDa soluble receptor. It has been suggested that RTN4RL2 may play a role in regulating axonal regeneration and plasticity in the adult central nervous system.
Synonyms:	RTN4RL2 Antibody, NgR2, NGRH1, NGRL3, Reticulon-4 receptor-like 2, Nogo receptor-like 3, NgR2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RTN4RL2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- RTN4RL2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human RTN4RL2.

Purity/Specificity: Anti-RTN4RL2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Three alternatively spliced transcript variants have been observed. RTN4RL2 antibody is predicted to not cross-react with other Nogo receptor-like proteins.

Relevant Links:

- [UniProtKB - Q86UN3](#)
- [GeneID - 349667](#)
- [NCBI - NP_848665](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-RTN4RL2 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 46 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

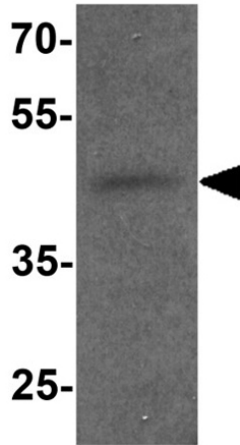
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot analysis of RTN4RL2.

Load: rat brain tissue lysate.

Primary Antibody: RTN4RL2 antibody at 1 $\mu\text{g}/\text{mL}$.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.