RTN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RTN2, Polyclonal Antibody
Full Product Name	RTN2 (Reticulon-2, Neuroendocrine-specific Protein-like 1, NSP-like Protein 1, Neuroendocrine-specific Protein-like I, NSP-like Protein I, NSPLI, NSPL
Product Gene Name	anti-RTN2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human RTN2. Species Crossreactivity: mouse.
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 amo
OMIM	gene 604805
3D Structure	ModBase 3D Structure for O75298
Immunogen	Full length human RTN2, aa1-472 (NP_996783.1).
Immunogen Sequence	MGQVLPVFAHCKEAPSTASSTPDSTEGGNDDSDFRELHTAREFSEEDEEETTSQDWGTPRELTFSYIAFDGVVGSGGRRDSTARRPRPQGRSVSEPRD
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-RTN2 antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-RTN2 antibody	Western Blot (WB)
Application Notes for anti-RTN2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RTN2 antibody	This gene belongs to the family of reticulon encoding genes. Reticulons are associated with the endoplasmic reticulum, and are involved in neuroendoc
Other Notes	Small volumes of anti-RTN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

Searchable Terms for RTN2 purchase	MBS6393064 is an antibody targeting RTN2. Also known as RTN2 (Reticulon-2, Neuroendocrine-specific Protein-like 1, NSP-like Protein 1, Neuroendo

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RTN2. It may not necessarily be applicable to this product.

NCBI GI #	46255005
NCBI Accession #	NP_996783.1
UniProt Primary Accession #	O75298
GenBank Nucleotide #	NM_206900.1
NCBI Official Full Name	reticulon-2 isoform B
UniProt Protein Name	Reticulon-2
UniProt Synonym Protein Names	Neuroendocrine-specific protein-like 1; NSP-like protein 1; Neuroendocrine-specific protein-like I; NSP-like protein I; NSPLI
Protein Family	Reticulon
UniProt Gene Name	RTN2
UniProt Synonym Gene Names	NSPL1; NSP-like protein 1; NSP-like protein I; NSPLI
UniProt Entry Name	RTN2_HUMAN
UniProt Comments for RTN2	RTN2: Defects in RTN2 are the cause of spastic paraplegia autosomal dominant type 12 (SPG12). A form of spastic paraplegia, a neurodegenerative disorder characterized by a slow, gradual, progressive weakness and spasticity of the lower limbs. Rate of progression and the severity of symptoms are quite variable. Initial symptoms may include difficulty with balance, weakness and stiffness in the legs, muscle spasms, and dragging the toes when walking. In some forms of the disorder, bladder symptoms (such as incontinence) may appear, or the weakness and stiffness may spread to other parts of the body. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Endoplasmic reticulum; Membrane protein, integral Chromosomal Location of Human Ortholog: 19q13.32 Cellular Component: endoplasmic reticulum; T-tubule; integral to endoplasmic reticulum membrane Molecular Function: protein binding Biological Process: intracellular protein transport across a membrane; regulation of glucose import Disease: Spastic Paraplegia 12, Autosomal Dominant
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