

RTN2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17495a**Specification**

RTN2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [075298](#)**RTN2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 6253**Other Names**

Reticulon-2, Neuroendocrine-specific protein-like 1, NSP-like protein 1, Neuroendocrine-specific protein-like I, NSP-like protein I, NSPLI, RTN2, NSPL1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RTN2 Antibody (N-term) Blocking Peptide - Protein Information**Name** RTN2**Synonyms** NSPL1**Function**

Inhibits amyloid precursor protein processing, probably by blocking BACE1 activity (PubMed:15286784). Enhances trafficking of the glutamate transporter SLC1A1/EAAC1 from the endoplasmic reticulum to the cell surface (By similarity). Plays a role in the translocation of SLC2A4/GLUT4 from intracellular membranes to the cell membrane which facilitates the uptake of glucose into the cell (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Sarcoplasmic reticulum membrane {ECO:0000250|UniProtKB:O70622}; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:Q6WN19}; Multi-pass membrane protein. Cell membrane, sarcolemma {ECO:0000250|UniProtKB:O70622}; Multi-pass membrane protein. Cell membrane, sarcolemma, T-tubule {ECO:0000250|UniProtKB:O70622}; Multi-pass membrane protein. Cytoplasm, myofibril, sarcomere, Z line {ECO:0000250|UniProtKB:O70622}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:O70622}. Note=Localizes to intermediate filaments in mononucleated

myoblasts and to Z lines in mature myotubes {ECO:0000250|UniProtKB:O70622}

Tissue Location

[Isoform RTN2-C]: Highly expressed in skeletal muscle.

RTN2 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

RTN2 Antibody (N-term) Blocking Peptide - Images**RTN2 Antibody (N-term) Blocking Peptide - Background**

This gene belongs to the family of reticulon encoding genes. Reticulons are associated with the endoplasmic reticulum, and are involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells. Alternatively spliced transcript variants encoding different isoforms have been identified.

RTN2 Antibody (N-term) Blocking Peptide - References

Ikemoto, T., et al. Diabetes 58(12):2802-2812(2009) Liu, Y., et al. J. Biol. Chem. 283(10):6561-6571(2008) Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004) Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004) He, W., et al. Nat. Med. 10(9):959-965(2004)