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RTN2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17495a

Specification

RTN2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O75298
Other Accession	NP_005610.1, NP_996784.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**59264**
Antigen Region	**109-138**

RTN2 Antibody (N-term) - 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

Target/Specificity
This RTN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 109-138 amino acids from the N-terminal region of human RTN2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RTN2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RTN2 Antibody (N-term) - 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}

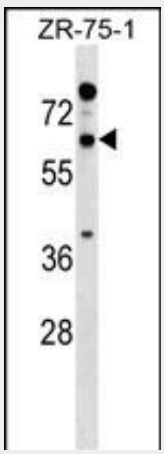
Tissue Location
[Isoform RTN2-C]: Highly expressed in skeletal muscle.

RTN2 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RTN2 Antibody (N-term) - Images



RTN2 Antibody (N-term) (Cat. #AP17495a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the RTN2 antibody detected the RTN2 protein (arrow).

RTN2 Antibody (N-term) - 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) - 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)
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He, W., et al. Nat. Med. 10(9):959-965(2004)