

RTN1 / Reticulon 1 Antibody (clone RNL-3)
Mouse Monoclonal Antibody
Catalog # ALS16521**Specification**

RTN1 / Reticulon 1 Antibody (clone RNL-3) - Product Information

Application	WB, IHC-P, ICC, IHC-F, FC
Primary Accession	Q16799
Other Accession	6252
Reactivity	Human, Rabbit, Monkey
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	83618
Dilution	WB~~1:1000 IHC-P~~N/A ICC~~N/A IHC-F~~N/A FC~~1:10~50

RTN1 / Reticulon 1 Antibody (clone RNL-3) - Additional Information**Gene ID** 6252**Other Names**

RTN1, Reticulon-1, NSP, Reticulon 1

Target/Specificity

Recognizes an epitope located within the region of amino acids 421-589 of the neuro-endocrine specific protein Reticulon-1A (NSP-A), which is also present in the N-terminal part of Reticulon-1B (NSP-B). In normal tissues, reacts with brain Purkinje c ...

Reconstitution & Storage

PBS containing 0.09% sodium azide. Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

RTN1 / Reticulon 1 Antibody (clone RNL-3) is for research use only and not for use in diagnostic or therapeutic procedures.

RTN1 / Reticulon 1 Antibody (clone RNL-3) - Protein Information**Name** RTN1**Synonyms** NSP**Function**

Inhibits amyloid precursor protein processing, probably by blocking BACE1 activity.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein

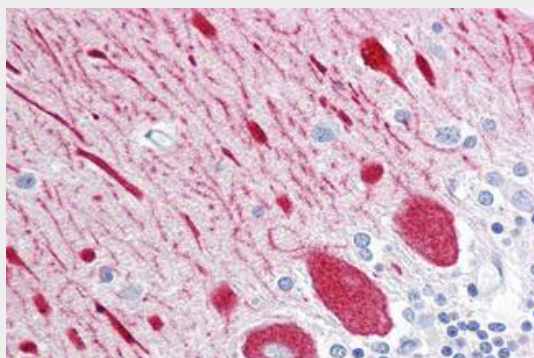
Tissue Location

Expressed in neural and neuroendocrine tissues and cell cultures derived therefrom. Expression of isoform RTN1-C is strongly correlated with neuronal differentiation

RTN1 / Reticulon 1 Antibody (clone RNL-3) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RTN1 / Reticulon 1 Antibody (clone RNL-3) - Images

Anti-Reticulon 1 antibody IHC of human brain, cerebellum.

RTN1 / Reticulon 1 Antibody (clone RNL-3) - Background

May be involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells.

RTN1 / Reticulon 1 Antibody (clone RNL-3) - References

Roebroek A.J.M., et al. J. Biol. Chem. 268:13439-13447(1993).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.
Roebroek A.J.M., et al. Genomics 32:191-199(1996).
Hens J., et al. Cell Tissue Res. 292:229-237(1998).
Hunter M., et al. Biochem. Biophys. Res. Commun. 332:982-992(2005).