

RTN2 Antibody (monoclonal) (M05)**Mouse monoclonal antibody raised against a partial recombinant RTN2.****Catalog # AT3734a****Specification**

RTN2 Antibody (monoclonal) (M05) - Product Information

Application	WB
Primary Accession	O75298
Other Accession	NM_005619
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	59264

RTN2 Antibody (monoclonal) (M05) - 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

RTN2 (NP_005610, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

RTN2 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

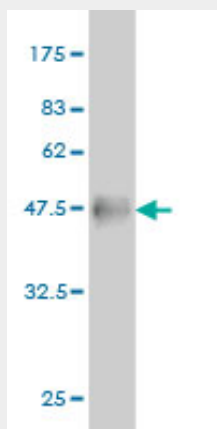
RTN2 Antibody (monoclonal) (M05) - Protocols

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

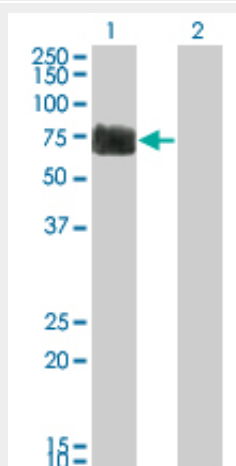
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RTN2 Antibody (monoclonal) (M05) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of RTN2 expression in transfected 293T cell line by RTN2 monoclonal antibody (M05), clone 6A11.

Lane 1: RTN2 transfected lysate (59.264 KDa).

Lane 2: Non-transfected lysate.

RTN2 Antibody (monoclonal) (M05) - 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 (monoclonal) (M05) - References

Functional role of neuroendocrine-specific protein-like 1 in membrane translocation of GLUT4. Ikemoto T, et al. Diabetes, 2009 Dec. PMID 19720795. Reticulon RTN2B regulates trafficking and function of neuronal glutamate transporter EAAC1. Liu Y, et al. J Biol Chem, 2008 Mar 7. PMID 18096700. Phosphoproteomic analysis of the developing mouse brain. Ballif BA, et al. Mol Cell Proteomics, 2004 Nov. PMID 15345747. Reticulon family members modulate BACE1 activity and amyloid-beta peptide generation. He W, et al. Nat Med, 2004 Sep. PMID 15286784. Yeast two-hybrid screens imply involvement of Fanconi anemia proteins in transcription regulation, cell signaling, oxidative metabolism, and cellular transport. Reuter TY, et al. Exp Cell Res, 2003 Oct 1. PMID 14499622.