

RTN3 / Reticulon 3 Antibody (clone 10A8)
Mouse Monoclonal Antibody
Catalog # ALS13170**Specification**

RTN3 / Reticulon 3 Antibody (clone 10A8) - Product Information

Application	IHC
Primary Accession	O95197
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	113kDa KDa

RTN3 / Reticulon 3 Antibody (clone 10A8) - Additional Information**Gene ID** 10313**Other Names**

Reticulon-3, Homolog of ASY protein, HAP, Neuroendocrine-specific protein-like 2, NSP-like protein 2, Neuroendocrine-specific protein-like II, NSP-like protein II, NSPLII, RTN3, ASYIP, NSPL2

Target/Specificity

Human RTN3

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

RTN3 / Reticulon 3 Antibody (clone 10A8) is for research use only and not for use in diagnostic or therapeutic procedures.

RTN3 / Reticulon 3 Antibody (clone 10A8) - Protein Information**Name** RTN3**Synonyms** ASYIP, NSPL2**Function**

May be involved in membrane trafficking in the early secretory pathway. Inhibits BACE1 activity and amyloid precursor protein processing. May induce caspase-8 cascade and apoptosis. May favor BCL2 translocation to the mitochondria upon endoplasmic reticulum stress. Induces the formation of endoplasmic reticulum tubules (PubMed:25612671). Also acts as an inflammation-resolving regulator by interacting with both TRIM25 and RIGI, subsequently impairing RIGI 'Lys-63'-linked polyubiquitination leading to IRF3 and NF-kappa-B inhibition.

Cellular Location

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

Multi-pass membrane protein

Tissue Location

Isoform 3 is widely expressed, with highest levels in brain, where it is enriched in neuronal cell bodies from gray matter (at protein level). Three times more abundant in macula than in peripheral retina. Isoform 1 is expressed at high levels in brain and at low levels in skeletal muscle. Isoform 2 is only found in melanoma

Volume

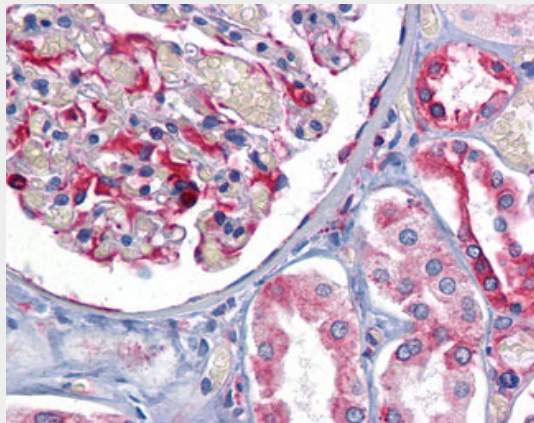
50 µl

RTN3 / Reticulon 3 Antibody (clone 10A8) - 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](#)

RTN3 / Reticulon 3 Antibody (clone 10A8) - Images



Anti-RTN3 / Reticulon 3 antibody IHC of human kidney.

RTN3 / Reticulon 3 Antibody (clone 10A8) - Background

May be involved in membrane trafficking in the early secretory pathway. Inhibits BACE1 activity and amyloid precursor protein processing. May induce caspase-8 cascade and apoptosis. May favor BCL2 translocation to the mitochondria upon endoplasmic reticulum stress. In case of enteroviruses infection, RTN3 may be involved in the viral replication or pathogenesis.

RTN3 / Reticulon 3 Antibody (clone 10A8) - References

Moreira E.F., et al. Genomics 58:73-81(1999).
Qi B., et al. J. Cell. Physiol. 196:312-318(2003).
Huang X., et al. Clin. Neuropathol. 23:1-7(2004).
Cai Y., et al. Brain Res. Mol. Brain Res. 138:236-243(2005).

Ota T.,et al.Nat. Genet. 36:40-45(2004).