

TOR1AIP1 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP22181a

Specification

TOR1AIP1 Antibody (N-Term) - Product Information

Application WB,E
Primary Accession O5JTV8

Other Accession <u>Q921T2</u>, <u>Q5PQX1</u>

Reactivity
Predicted
Host
Clonality
Isotype

Mouse
Human, Rat
Rabbit
Rabbit
Rabbit IgG

TOR1AIP1 Antibody (N-Term) - Additional Information

Gene ID 26092

Other Names

Torsin-1A-interacting protein 1, Lamin-associated protein 1B, LAP1B, TOR1AIP1, LAP1

Target/Specificity

This TOR1AIP1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 42-76 amino acids from human TOR1AIP1.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

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

TOR1AIP1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

TOR1AIP1 Antibody (N-Term) - Protein Information

Name TOR1AIP1

Synonyms LAP1



Function Required for nuclear membrane integrity. Induces TOR1A and TOR1B ATPase activity and is required for their location on the nuclear membrane. Binds to A- and B-type lamins. Possible role in membrane attachment and assembly of the nuclear lamina.

Cellular Location

Nucleus inner membrane; Single-pass membrane protein

Tissue Location

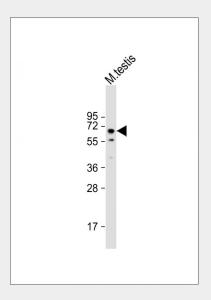
Expressed in muscle, liver and kidney. [Isoform 4]: Expressed at higher levels than isoform 1 in lung, kidney and spleen (at protein level). Expressed at lower levels than isoform 1 in liver, brain and heart (at protein level). Similar levels of isoforms 1 and 4 are observed in ovary, testis and pancreas (at protein level).

TOR1AIP1 Antibody (N-Term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescen</u>ce
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

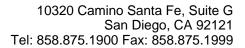
TOR1AIP1 Antibody (N-Term) - Images



Anti-TOR1AIP1 Antibody (N-Term) at 1:2000 dilution + mouse testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 66 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

TOR1AIP1 Antibody (N-Term) - Background

Required for nuclear membrane integrity. Induces TOR1A and TOR1B ATPase activity and is required for their location on the nuclear membrane. Binds to A- and B-type lamins. Possible role in membrane attachment and assembly of the nuclear lamina.





TOR1AIP1 Antibody (N-Term) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004). Gregory S.G.,et al.Nature 441:315-321(2006). Bechtel S.,et al.BMC Genomics 8:399-399(2007). Kondo Y.,et al.Biochem. Biophys. Res. Commun. 294:770-778(2002). Goodchild R.E.,et al.J. Cell Biol. 168:855-862(2005).