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TOR1AIP1 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22181a

Product Information

Application	WB, E
Primary Accession	Q5JTV8
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56255
Calculated MW	66248

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.

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).

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.

References

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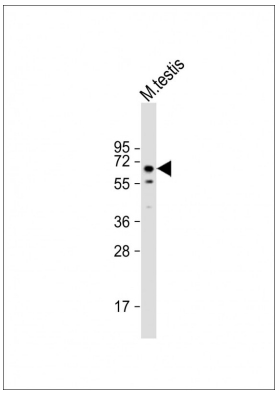
Gregory S.G.,et al.Nature 441:315-321(2006).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Kondo Y.,et al.Biochem. Biophys. Res. Commun. 294:770-778(2002).
Goodchild R.E.,et al.J. Cell Biol. 168:855-862(2005).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.