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TOR1AIP1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50777

Product Information

Application	WB
Primary Accession	Q5JTV8
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	66248

Additional Information

Gene ID	26092
Other Names	Torsin-1A-interacting protein 1, Lamin-associated protein 1B, LAP1B, TOR1AIP1, LAP1
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

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).

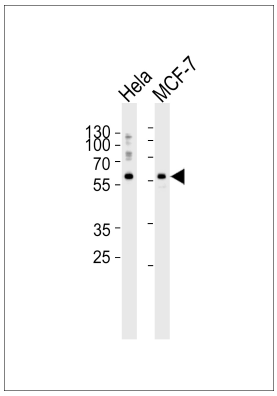
Background

Binds to A- and B-type lamins. Possible role in membrane attachment and assembly of the nuclear lamina (By similarity).

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).

Images



Western blot analysis of lysates from Hela,MCF-7 cell line (from left to right),using TOR1AIP1 Antibody(AP50777). AP50777 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

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