

### **TOR1AIP1** Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP50777

### **Specification**

## **TOR1AIP1 Antibody - Product Information**

Application WB
Primary Accession O5JTV8
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 66,43 KDa
Antigen Region 450-478

## **TOR1AIP1 Antibody - 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°C

## **TOR1AIP1 Antibody - 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



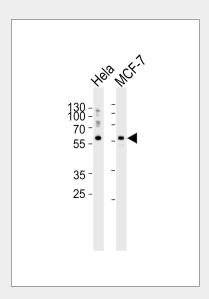
and heart (at protein level). Similar levels of isoforms 1 and 4 are observed in ovary, testis and pancreas (at protein level).

## **TOR1AIP1 Antibody - Protocols**

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

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

## **TOR1AIP1 Antibody - 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.

# **TOR1AIP1 Antibody - Background**

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

# **TOR1AIP1 Antibody - 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).