

For Research Use Only

TOR1B Polyclonal antibody

Catalog Number: 21945-1-AP

1 Publications



Basic Information

Catalog Number:

21945-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16641

GenBank Accession Number:

BC015578

GeneID (NCBI):

27348

UNIPROT ID:

O14657

Full Name:

torsin family 1, member B (torsin B)

Calculated MW:

336 aa, 38 kDa

Observed MW:

34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse heart tissue, rat heart tissue

Background Information

Torsin A is 1 of 4 predicted mammalian torsin ATPases associated with assorted cellular activities (AAA+) proteins (PMID: 20015956). TOR1B (torsin family 1 member B), also called TorsinB (TorB), is similar to TorsinA at the sequence level. TorsinA and TorsinB are both ubiquitously expressed in all cell types though TorsinA is more highly expressed in neurons. TorsinA and TorsinB may be somewhat functionally redundant, with TorsinA being more important in neuronal cells and TorsinB being more important in other tissues (PMID: 24275647). TOR1B serve as a molecular chaperone assisting in the proper folding of secreted and/or membrane proteins, and plays a role in non-neural cells nuclear envelope and endoplasmic reticulum integrity (PMID: 24275647; 23569223).

Notable Publications

Author	Pubmed ID	Journal	Application
Yan Zhang	38842687	J Cancer Res Clin Oncol	WB, IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

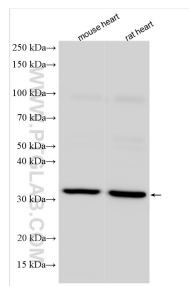
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21945-1-AP (TOR1B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.