

For Research Use Only

TOR1B Polyclonal antibody

Catalog Number: 21945-1-AP **1 Publications**



Basic Information

Catalog Number: 21945-1-AP	GenBank Accession Number: BC015578	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 27348	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: O14657	
Isotype: IgG	Full Name: torsin family 1, member B (torsin B)	
Immunogen Catalog Number: AG16641	Calculated MW: 336 aa, 38 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse heart tissue, rat heart tissue
Cited Applications: WB, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human	

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

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

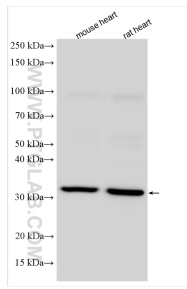
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Selected Validation Data



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.