

For Research Use Only

Torsin A Polyclonal antibody

Catalog Number: 10296-1-AP **1 Publications**



Basic Information

Catalog Number: 10296-1-AP	GenBank Accession Number: BC000674	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1861	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: O14656	
Isotype: IgG	Full Name: torsin family 1, member A (torsin A)	
Immunogen Catalog Number: AG0358	Calculated MW: 38 kDa	
	Observed MW: 42-50 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse brain tissue, HEK-293 cells, mouse kidney tissue, mouse liver tissue, rat brain tissue IHC : human colon cancer tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TOR1A (torsin A), also known as DYT1, is a member of AAA+ family of ATPases that mediate chaperone and other functions involved in conformational modeling of proteins, protection from stress, and targeting of proteins to cellular organelles. TOR1A is a 37 kDa ATP binding protein highly expressed in hippocampus, spinal cord, kidney and liver. TOR1A primarily localizes to the ER while exposure to oxidative stress causes the redistribution to cell surface protrusions. Mutations in gene encoding TOR1A cause the most severe form of hereditary dystonia, termed early onset, generalized dystonia. Interestingly, Lewy bodies of PD patients were intensely immunoreactive for torsinA.

Notable Publications

Author	Pubmed ID	Journal	Application
Ened Rodríguez-Urgellés	36029989	Neurobiol Dis	WB

Storage

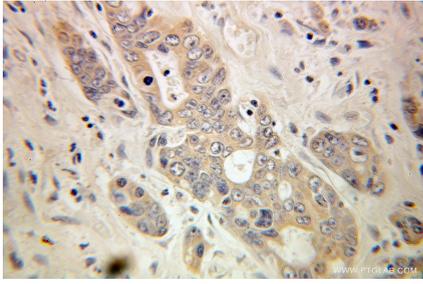
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

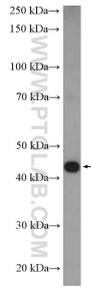
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer using 10296-1-AP (Torsin A antibody) at dilution of 1:100 (under 25x lens).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10296-1-AP (Torsin A antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.