

For Research Use Only

Torsin A Polyclonal antibody

Catalog Number: 10296-1-AP

1 Publications



Basic Information

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|--|---|--|
| 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

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| 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

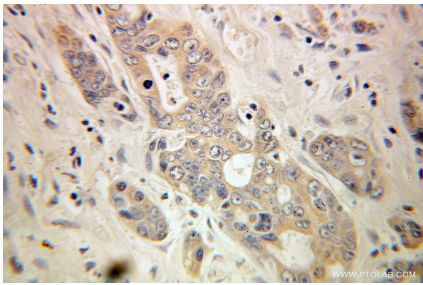
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

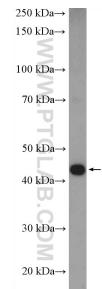
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.