

# Torsin A Polyclonal antibody

Catalog Number: 10296-1-AP

1 Publications

## Basic Information

## Catalog Number:

10296-1-AP

## Size:

350 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG0358

## GenBank Accession Number:

BC000674

## GeneID (NCBI):

1861

## UNIPROT ID:

O14656

## Full Name:

torsin family 1, member A (torsin A)

## Calculated MW:

38 kDa

## Observed MW:

42-50 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

## Applications

## Tested Applications:

IHC, WB, ELISA

## 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**

## Positive Controls:

**WB** : mouse brain tissue, HEK-293 cells, mouse kidney tissue, mouse liver tissue, rat brain tissue

**IHC** : human colon cancer tissue,

## 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

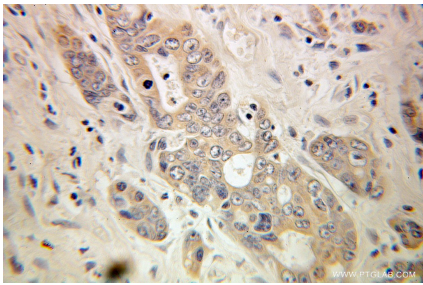
For technical support and original validation data for this product please contact:

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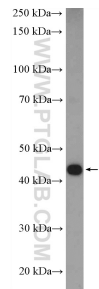
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Selected Validation Data



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.