

Torsin A Polyclonal Antibody

Catalog number: 10296-1-AP

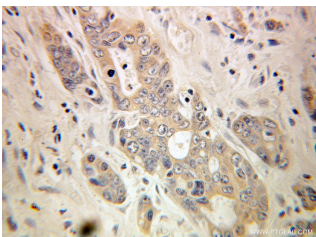
Size: 39 µg/150 µl

Source: Rabbit

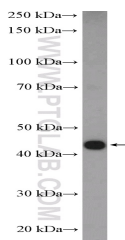
Isotype: IgG

Synonyms:

TOR1A; DQ2, Dystonia 1 protein, DYT1, TOR1A, Torsin 1A, Torsin A, Torsin family 1 member A, TorsinA



Immunohistochemical of paraffin-embedded human colon cancer using 10296-1-AP (TOR1A 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 (TOR1A Antibody) at dilution of 1:1000

Background

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.

Applications

Tested applications:	ELISA, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated Torsin A MW:	38 kDa
Observed Torsin A MW:	42-50 kDa
Positive WB detected in	Mouse brain tissue, HEK-293 cells, mouse kidney tissue, mouse liver tissue, rat brain tissue
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0358
GenBank accession number:	BC000674
Gene ID (NCBI):	1861
Full name:	Torsin family 1, member A (torsin A)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.