

TOR1A Polyclonal antibody

Catalog Number: 51150-1-AP

Basic Information

Catalog Number:

51150-1-AP

Size:

N/A

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0506

GenBank Accession Number:

BC000674

GeneID (NCBI):

1861

UNIPROT ID:

O14656

Full Name:

torsin family 1, member A (torsin A)

Calculated MW:

38 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human

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.

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

