

TOR1A

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 38kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human TOR1A

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

DQ2; DYT1; TorsinA;

Catalog #: A2066

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 1861

Isotype: IgG

Swiss Prot: O14656

Purity: Affinity purification

For research use only.

Background:

The neurological condition Dystonia is associated with sustained muscle contractions and abnormal posturing (1). TorsinA, torsinB, torp2A and torp3A belong to the family of ATPases associated with cellular activities (AAA+) and mutations in torsinA cause early onset dystonia (2). TorsinA has been shown to suppress intracellular protein aggregation in *C. elegans* and possesses chaperon activity. Interestingly, torsinA is highly expressed in dopaminergic neurons and associates with alpha-synuclein in Lewy bodies, which pathologically characterize Parkinson's Disease (3-5).

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