

## 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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