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Datasheet for ABIN7172308

**anti-TOR1A antibody (AA 88-125) (HRP)**

## Overview

Quantity:	100 µg
Target:	TOR1A
Binding Specificity:	AA 88-125
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOR1A antibody is conjugated to HRP
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Torsin-1A protein (88-125AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	TOR1A
Alternative Name:	TOR1A ( <a href="#">TOR1A Products</a> )
Background:	Background: Protein with chaperone functions important for the control of protein folding, processing, stability and localization as well as for the reduction of misfolded protein

## Target Details

aggregates. Involved in the regulation of synaptic vesicle recycling, controls STON2 protein stability in collaboration with the COP9 signalosome complex (CSN). In the nucleus, may link the cytoskeleton with the nuclear envelope, this mechanism seems to be crucial for the control of nuclear polarity, cell movement and, specifically in neurons, nuclear envelope integrity. Participates in the cellular trafficking and may regulate the subcellular location of multipass membrane proteins such as the dopamine transporter SLC6A3, leading to the modulation of dopamine neurotransmission. In the endoplasmic reticulum, plays a role in the quality control of protein folding by increasing clearance of misfolded proteins such as SGCE variants or holding them in an intermediate state for proper refolding. May have a redundant function with TOR1B in non-neural tissues.

Aliases: DQ2 antibody, Dystonia 1 antibody, Dystonia 1 protein antibody, Dystonia 1 torsion antibody, Dyt1 antibody, TOR1A antibody, TOR1A\_HUMAN antibody, Torsin 1A antibody, Torsin A antibody, Torsin family 1 member A antibody, Torsin family 1, member A (torsin A) antibody, Torsin-1A antibody

UniProt: [O14656](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.