

Mouse Tubulin polymerization-promoting protein (TPPP) ELISA Kit

Catalog No: #EK6024

Orders: order@signalwayantibody.com

Package Size: #EK6024-1 48T #EK6024-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Tubulin polymerization-promoting protein (TPPP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	TPPP/p25; TPPP1; p24; p25; p25alpha; brain specific protein p25 alpha glycogen synthase kinase 3 (GSK3) inhibitor p24 tubulin polymerization-promoting protein
Accession No.	Q7TQD2
Uniprot	Q7TQD2
GeneID	72948;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.053 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate TPPP in samples. An antibody specific for TPPP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTPPP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TPPP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TPPP bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The novel basic, heat-stable tubulin polymerization promoting protein TPPP/p25 is associated with microtubules in vitro and can induce the formation of aberrant microtubule assemblies.

Immunohistochemistry and confocal microscopy demonstrates that TPPP/p25 is enriched in filamentous alpha-synuclein bearing Lewy bodies of Parkinson's (PD) and diffuse Lewy body disease (DLBD), as well as glial inclusions of multiple system atrophy (MSA). There is a correlation between TPPP/p25 and alpha-synuclein immunoreactivity in Western blot. In contrast, TPPP/p25 is not associated with abnormally phosphorylated tau in various inclusions of Pick's disease (PiD), progressive supranuclear palsy (PSP), and corticobasal degeneration (CBD).

Note: This product is for in vitro research use only