

Human Tubulin Polymerization-Promoting Protein (TPPP) ELISA Kit | TPPP elisa kit

Human Tubulin Polymerization-Promoting Protein (TPPP) ELISA Kit

CATALOG #
AAA330367

REACTIVITY
Human

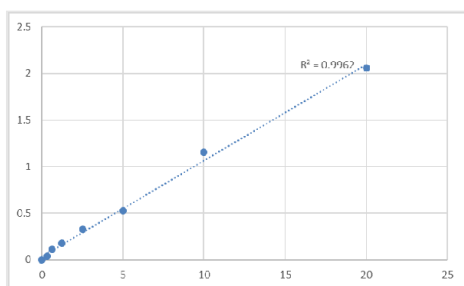
PRODUCT SYNONYMS

Tubulin Polymerization-Promoting Protein (TPPP); Human Tubulin Polymerization-Promoting Protein (TPPP) ELISA Kit; TPPP; TPPP/p25; TPPP1; p24; p25; p25alpha; brain specific protein p25 alpha; glycogen synthase kinase 3 (GSK3) inhibitor p24; tubulin polymerization-promoting protein; TPPP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tubulin polymerization-promoting protein (TPPP) ELISA Kit has high sensitivity and excellent specificity for detection of Human TPPP. No significant cross-reactivity or interference between Human TPPP and analogues was observed.
Sequence Length	219
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Tubulin polymerization-promoting protein (TPPP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TPPP elisa kit	Description: This Human Tubulin polymerization-promoting protein (TPPP) ELISA Kit 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 any TPPP 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. Background: Seki et al. (1999) cloned p25 from a neuroblastoma cDNA library. The deduced 219-amino acid protein has a calculated molecular mass of about 24 kD. Human and bovine p25 share 90% amino acid identity. In contrast to the brain-specific expression of bovine p25, RT-PCR detected human p25 in all tissues examined.Martin et al. (2002) found that p24 associated with Gsk3 in microtubules from adult rat brain. p24 bound Gsk3 and inhibited its kinase activity at low magnesium concentrations. p24 was a poor substrate for Gsk3, but it could be phosphorylated by other protein kinases. Bovine Tppp inhibited mitotic spindle assembly and nuclear envelope breakdown following injection into Drosophila embryos. It did not affect other cellular events.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	5902018
NCBI GeneID	11076
NCBI Accession #	NP_008961.1
NCBI GenBank Nucleotide #	NP_008961.1
UniProt Accession #	O94811
NCBI Official Full Name	tubulin polymerization-promoting protein
NCBI Official Synonym Full Names	tubulin polymerization promoting protein
NCBI Official Symbol	TPPP
NCBI Official Synonym Symbols	p24; p25; TPPP1; TPPP/p25; p25alpha
NCBI Protein Information	tubulin polymerization-promoting protein
UniProt Protein Name	Tubulin polymerization-promoting protein
UniProt Gene Name	TPPP
UniProt Synonym Gene Names	TPPP1; TPPP
UniProt Entry Name	TPPP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/tubulin-polymerization-promoting-protein-tppp/330367>