

Human Tau-Protein Kinase 1 (tPK1) RTU ELISA Kit | tPK1 rtu elisa kit

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CATALOG #
AAA218963

REACTIVITY
Human

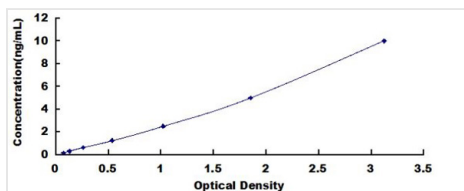
PRODUCT SYNONYMS

Tau-Protein Kinase 1 (tPK1); Human Tau-Protein Kinase 1 (tPK1) ELISA Kit; TTBK1; BDTK; TTK; Cdk5/P20; CDK5/P23; GSK; STK31; Brain-derived tau kinase; Tau-Tubulin Kinase 1; Tau-Protein O-Hosphotransferase; Brain Protein Kinase PK40erk; tPK1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	194
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.065ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for tPK1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to tPK1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to tPK1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain tPK1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of tPK1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110227857
NCBI GeneID	27010
NCBI Accession #	NP_001035947.1
NCBI GenBank Nucleotide #	NM_001042482.1
UniProt Accession #	Q9H3S4; Q6NUR5; Q9H602; A8K0T7; D3DWG0; I6L9B8
Molecular Weight	13,962 Da
NCBI Official Full Name	thiamin pyrophosphokinase 1 isoform b
NCBI Official Synonym Full Names	thiamin pyrophosphokinase 1
NCBI Official Symbol	TPK1
NCBI Official Synonym Symbols	PP20; HTPK1; THMD5
NCBI Protein Information	thiamin pyrophosphokinase 1
UniProt Protein Name	Thiamin pyrophosphokinase 1
UniProt Gene Name	TPK1
UniProt Synonym Gene Names	hTPK1; PP20

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.

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Online datasheet: <https://stage.aaabiotech.com/human-rtu-elisa-kits/tau-protein-kinase-1-tpk1/218963>