

Human Serine/Threonine-Protein Kinase 24 (STK24) ELISA Kit | STK24 elisa kit

Human Serine/Threonine-Protein Kinase 24 (STK24) ELISA Kit

CATALOG #
AAA330604

REACTIVITY
Human

PRODUCT SYNONYMS

Serine/Threonine-Protein Kinase 24 (STK24); Human Serine/Threonine-Protein Kinase 24 (STK24) ELISA Kit; STK24; RP11-111L24.5; MST3; MST3B; STE20; STK3; STE20-like kinase 3; serine/threonine kinase 24; sterile 20-like kinase 3; STK24 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Serine/threonine-protein kinase 24 (STK24) ELISA Kit has high sensitivity and excellent specificity for detection of Human STK24. No significant cross-reactivity or interference between Human STK24 and analogues was observed.
Sequence Length	431
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 Serine/threonine-protein kinase 24 (STK24) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STK24 elisa kit	Description: This Human Serine/threonine-protein kinase 24 (STK24) ELISA Kit employs a two-site sandwich ELISA to quantitate STK24 in samples. An antibody specific for STK24 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STK24 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STK24 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 STK24 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: STK24 shares 69% amino acid identity with STK25 and is a member of the GCK subfamily of STE20-like proteins. Northern blot analysis revealed ubiquitous expression of a 2.0-kb STK24 transcript, with highest levels detected in heart, skeletal muscle, and pancreas. Western blot analysis detected a 52-kD STK24 protein in all cell lines tested.MST3B encodes a predicted 443-amino acid protein. RT-PCR and Northern blot analyses revealed that expression of the 2.5-kb MST3B transcript is restricted to brain; Western blot analysis confirmed the brain-specific expression. In situ hybridization analysis showed that MST3B is widely expressed in different brain regions, with high levels in hippocampus, cerebral cortex, and hypothalamus, and moderate levels in geniculate nucleus and thalamic nucleus.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	110349738
NCBI GeneID	8428
NCBI Accession #	NP_001027467.2
NCBI GenBank Nucleotide #	NP_001027467.2
UniProt Accession #	Q9Y6E0
NCBI Official Full Name	serine/threonine-protein kinase 24 isoform b
NCBI Official Synonym Full Names	serine/threonine kinase 24
NCBI Official Symbol	STK24
NCBI Official Synonym Symbols	MST3; STK3; MST3B; STE20; HEL-S-95
NCBI Protein Information	serine/threonine-protein kinase 24
UniProt Protein Name	Serine/threonine-protein kinase 24
UniProt Gene Name	STK24
UniProt Synonym Gene Names	MST3; STK3; MST-3; MST3/N; MST3/C
UniProt Entry Name	STK24_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.