

Human Serine/threonine-protein kinase 24 (STK24) ELISA Kit



Catalog No: #EK6690

Orders: order@signalwayantibody.com

Package Size: #EK6690-1 48T #EK6690-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Serine/threonine-protein kinase 24 (STK24) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-111L24.5; MST3; MST3B; STE20; STK3; STE20-like kinase 3 serine/threonine kinase 24 sterile 20-like kinase 3
Accession No.	Q9Y6E0
Uniprot	Q9Y6E0
GeneID	8428;
Storage	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. 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).

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.59 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 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.

Product Overview: 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.

Note: This product is for in vitro research use only