Mouse Dual specificity protein kinase CLK1 (CLK1) ELISA Kit

Catalog No: #EK11296

Package Size: #EK11296-1 48T #EK11296-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Mouse Dual specificity protein kinase CLK1 (CLK1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CLK; CLK/STY; STY; CDC28/CDC2-like kinase|dual specificity protein kinase CLK1|protein tyrosine kinase STY
Accession No.	P22518
Uniprot	P22518
GeneID	12747;
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:0.156-10 ng/mL

Sensitivity:0.059 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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CLK1 in samples. An antibody specific for CLK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCLK1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CLK1 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 CLK1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DCAMKL1 is a microtubule-associated kinase that can undergo autophosphorylation. DCAMKL1 also has microtubule-polymerizing activity that is independent of its protein kinase activity. The KIAA0369 cDNA encodes a 740-amino acid peptide that shares 72.3% amino acid identity with doublecortin. The protein has a doublecortin domain, a serine/proline-rich domain, and a calmodulin-dependent kinase-like domain. The authors also identified 4 splice variants of KIAA0369. All splice variants were expressed predominantly in fetal brain, with transcript sizes ranging from 8.0 to 5.0 kb. Varying expression of all isoforms was also seen in all 15 regions of adult human brain examined, with greatest expression seen in cerebral cortex, occipital pole, frontal lobe, amygdala, and hippocampus.

Note: This product is for in vitro research use only