Human Protein phosphatase Slingshot homolog 2 (SSH2) ELISA Kit

Catalog No: #EK6664

Package Size: #EK6664-1 48T #EK6664-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Protein phosphatase Slingshot homolog 2 (SSH2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	KIAA1725; MGC78588; SSH-2; slingshot 2
Accession No.	Q76I76
Uniprot	Q76I76
GeneID	85464;
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:0.312-20 ng/mL

Sensitivity:0.113 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 SSH2 in samples. An antibody specific for SSH2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySSH2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SSH2 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 SSH2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Two of the human proteins, SSH1L and SSH2, were enzymatically active when reacted with an artificial substrate, p-nitrophenyl phosphate. SSH3 did not exhibit activity toward p-nitrophenyl phosphate, and its expression did not reduce the level of P-cofilin in COS-7 cells. In mammalian cells, SSH1L and SSH2 suppressed LIMK1-induced actin reorganization. Furthermore, ssh, SSH1L, and SSH2 dephosphorylated P-cofilin in cultured cells and in cell-free assays. SSH1 encodes 3 isoforms, SSH1L, SSH1S, and SSH1B, and SSH2 encodes 2 isoforms, SSH2 and SSH2B. The SSH3 protein has 471 amino acids. Besides the catalytic domain, 2 other domains are conserved between Drosophila ssh and the human SSHs (domains A and B) and are unique to the SSH family.

Note: This product is for in vitro research use only