Human SHC-transforming protein 1 (SHC1) ELISA Kit

Catalog No: #EK7342

Package Size: #EK7342-1 48T #EK7342-2 96T

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

Description

Product Name	Human SHC-transforming protein 1 (SHC1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-307C12.1; FLJ26504; SHC; SHCA; OTTHUMP00000035472|SHC (Src homology 2 domain-containing) transforming protein 1|SHC-transforming protein 1
Accession No.	P29353
Uniprot	P29353
GeneID	6464;
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:0.117 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 SHC1 in samples. An antibody specific for SHC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySHC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SHC1 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 SHC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The SHC gene encodes a signaling and transforming protein containing Src homology 2 and 3 (SH2 and SH3) domains. The SHC gene encodes 2 widely expressed overlapping proteins of 46 and 52 kD, both containing a C-terminal SH2 domain. Adjacent to the SH2 region is a glycine- and proline-rich region. The 2 proteins differ in their N terminals. SHC proteins are involved in mitogenic signal transduction and act by coupling growth factor receptors to the RAS signaling pathway. The protein encoded by the SHC1 gene is thought to act as an adaptor in many signal transduction pathways, for example, facilitating the activation of RAS proteins in response to a variety of factors. SHC proteins are rapidly associated with and phosphorylated by growth factor receptors with intrinsic tyrosine kinase activity.

Note: This product is for in vitro research use only