

Human SHC-Transforming Protein 1 (SHC1) ELISA Kit | SHC1 elisa kit

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CATALOG #
AAA330877

REACTIVITY
Human

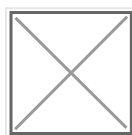
PRODUCT SYNONYMS

SHC-Transforming Protein 1 (SHC1); Human SHC-Transforming Protein 1 (SHC1) ELISA Kit; SHC1; RP11-307C12.1; FLJ26504; SHC; SHCA; OTTHUMP00000035472; SHC (Src homology 2 domain-containing) transforming protein 1; SHC-transforming protein 1; SHC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human SHC-transforming protein 1 (SHC1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SHC1. No significant cross-reactivity or interference between Human SHC1 and analogues was observed.
Sequence Length	584
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 SHC-transforming protein 1 (SHC1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SHC1 elisa kit	Description: This Human SHC-transforming protein 1 (SHC1) ELISA Kit 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 any SHC1 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194239664
NCBI GeneID	6464
NCBI Accession #	NP_001123512.1
NCBI GenBank Nucleotide #	NP_001123512.1
UniProt Accession #	P29353
NCBI Official Full Name	SHC-transforming protein 1 isoform 3
NCBI Official Synonym Full Names	SHC adaptor protein 1
NCBI Official Symbol	SHC1
NCBI Official Synonym Symbols	SHC; SHCA
NCBI Protein Information	SHC-transforming protein 1
UniProt Protein Name	SHC-transforming protein 1
UniProt Gene Name	SHC1
UniProt Synonym Gene Names	SHC; SHCA; SH2 domain protein C1
UniProt Entry Name	SHC1_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.