

Human Stress Induced Phosphoprotein 1 (STIP1) ELISA Kit | STIP1 elisa kit

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CATALOG #
AAA187242

REACTIVITY
Human

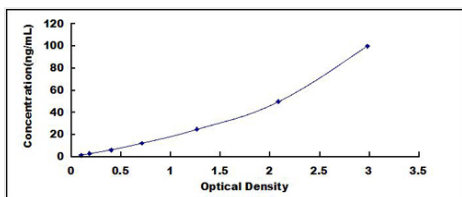
PRODUCT SYNONYMS

Stress Induced Phosphoprotein 1 (STIP1); Human Stress Induced Phosphoprotein 1 (STIP1) ELISA Kit; HOP; P60; IEF-SSP-3521; STI1L; Hsp70/Hsp90-Organizing Protein; Renal carcinoma antigen NY-REN-11; Transformation-sensitive protein IEF SSP 3521; STIP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Stress Induced Phosphoprotein 1 (STIP1). No significant cross-reactivity or interference between Stress Induced Phosphoprotein 1 (STIP1) and analogues was observed.
Sequence Length	519
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.59ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Stress Induced Phosphoprotein 1 (STIP1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Stress Induced Phosphoprotein 1 (STIP1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STIP1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Stress Induced Phosphoprotein 1 (STIP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Stress Induced Phosphoprotein 1 (STIP1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Stress Induced Phosphoprotein 1 (STIP1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Stress Induced Phosphoprotein 1 (STIP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803181
NCBI GeneID	10963
NCBI Accession #	NP_006810.1
NCBI GenBank Nucleotide #	NM_006819.2
UniProt Accession #	P31948; Q3ZCU9; Q5TZU9; B4DM70; F5H0T1; G3XAD8
Molecular Weight	59,778 Da
NCBI Official Full Name	stress-induced-phosphoprotein 1 isoform b
NCBI Official Synonym Full Names	stress induced phosphoprotein 1
NCBI Official Symbol	STIP1
NCBI Official Synonym Symbols	HOP; P60; STI1; STI1L; HEL-S-94n; IEF-SSP-3521
NCBI Protein Information	stress-induced-phosphoprotein 1
UniProt Protein Name	Stress-induced-phosphoprotein 1
UniProt Gene Name	STIP1
UniProt Synonym Gene Names	STI1; Hop

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.