

Human E3 Ubiquitin-Protein Ligase CHIP (STUB1) ELISA Kit | STUB1 elisa kit

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CATALOG #
AAA330613

REACTIVITY
Human

PRODUCT SYNONYMS

E3 Ubiquitin-Protein Ligase CHIP (STUB1); Human E3 Ubiquitin-Protein Ligase CHIP (STUB1) ELISA Kit; STUB1; LA16c-313D11.6; CHIP; HSPABP2; NY-CO-7; SDCCAG7; UBOX1; heat shock protein A binding protein 2 (c-terminal); serologically defined colon cancer antigen 7; STUB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human E3 ubiquitin-protein ligase CHIP (STUB1) ELISA Kit has high sensitivity and excellent specificity for detection of Human STUB1. No significant cross-reactivity or interference between Human STUB1 and analogues was observed.
Sequence Length	303
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 E3 ubiquitin-protein ligase CHIP (STUB1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STUB1 elisa kit	Description: This Human E3 ubiquitin-protein ligase CHIP (STUB1) ELISA Kit employs a two-site sandwich ELISA to quantitate STUB1 in samples. An antibody specific for STUB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STUB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STUB1 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 STUB1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The CHIP protein encoded by this gene binds to and inhibits the ATPase activity of the chaperone proteins HSC70 and HSP70 and blocks the forward reaction of the HSC70-HSP70 substrate-binding cycle. In addition, CHIP possesses E3 ubiquitin ligase activity and promotes ubiquitylation. CHIP enhances HSP70 induction during acute stress and also mediates its turnover during the stress recovery process. The deduced 303-amino acid protein has a molecular mass of 35 kD and contains three 34-amino acid TPR domains at its N terminus, a central domain rich in charged residues, and 2 potential nuclear localization signals. Human CHIP shares 97% and 53% amino acid identity with its mouse and Drosophila homologs, respectively, with the highest conservation in the 94 residues of the C terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	78099173
NCBI GeneID	10273
UniProt Accession #	Q9UNE7
NCBI Official Full Name	E3 ubiquitin-protein ligase CHIP
NCBI Official Synonym Full Names	STIP1 homology and U-box containing protein 1
NCBI Official Symbol	STUB1
NCBI Official Synonym Symbols	CHIP; SCA48; UBOX1; SCAR16; HSPABP2; NY-CO-7; SDCCAG7
NCBI Protein Information	E3 ubiquitin-protein ligase CHIP
UniProt Protein Name	E3 ubiquitin-protein ligase CHIP
UniProt Gene Name	STUB1
UniProt Entry Name	CHIP_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/e3-ubiquitin-protein-ligase-chip-stub1/330613>