

Human Protein Phosphatase Slingshot Homolog 1 (SSH1) ELISA Kit | SSH1 elisa kit

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CATALOG #
AAA330582

REACTIVITY
Human

PRODUCT SYNONYMS

Protein Phosphatase Slingshot Homolog 1 (SSH1); Human Protein Phosphatase Slingshot Homolog 1 (SSH1) ELISA Kit; SSH1; FLJ21928; FLJ38102; KIAA1298; SSH1L; slingshot 1; SSH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein phosphatase Slingshot homolog 1 (SSH1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SSH1. No significant cross-reactivity or interference between Human SSH1 and analogues was observed.
Sequence Length	692
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 Protein phosphatase Slingshot homolog 1 (SSH1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SSH1 elisa kit	Description: This Human Protein phosphatase Slingshot homolog 1 (SSH1) ELISA Kit employs a two-site sandwich ELISA to quantitate SSH1 in samples. An antibody specific for SSH1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SSH1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SSH1 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 SSH1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The ADF (actin-depolymerizing factor)/cofilin family is composed of stimulus-responsive mediators of actin dynamics. ADF/cofilin proteins are inactivated by kinases such as LIM domain kinase-1 (LIMK1). The SSH family appears to play a role in actin dynamics by reactivating ADF/cofilin proteins in vivo. Transcript analysis suggested that at least 6 polypeptides would be produced from these genes. SSH1 encodes 3 isoforms, SSH1L (1,049 amino acids), SSH1S (692 amino acids), and SSH1B (148 amino acids), and SSH2 encodes 2 isoforms, SSH2 (449 amino acids) and SSH2B (195 amino acids). The SSH3 protein has 471 amino acids. Besides the catalytic domain, 2 other domains are conserved between Drosophila ssh and the human SSHs and are unique to the SSH family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	239047441
NCBI GeneID	54434
NCBI Accession #	NP_001154802.1
NCBI GenBank Nucleotide #	NP_001154802.1
UniProt Accession #	Q8WYL5
NCBI Official Full Name	protein phosphatase Slingshot homolog 1 isoform 2
NCBI Official Synonym Full Names	slingshot protein phosphatase 1
NCBI Official Symbol	SSH1
NCBI Official Synonym Symbols	SSH1L
NCBI Protein Information	protein phosphatase Slingshot homolog 1
UniProt Protein Name	Protein phosphatase Slingshot homolog 1
UniProt Gene Name	SSH1
UniProt Synonym Gene Names	KIAA1298; SSH1L; SSH-1L; hSSH-1L

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/protein-phosphatase-slingshot-homolog-1-ssh1/330582>