

Human STE20/SPS1-Related Proline-Alanine-Rich Protein Kinase (STK39) ELISA Kit | STK39 elisa kit

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CATALOG #
AAA330606

REACTIVITY
Human

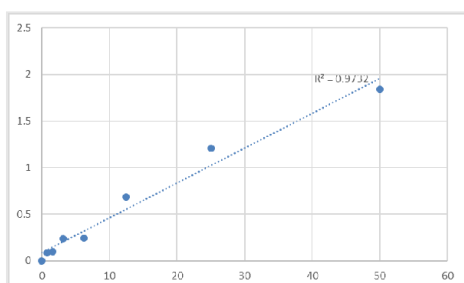
PRODUCT SYNONYMS

STE20/SPS1-Related Proline-Alanine-Rich Protein Kinase (STK39); Human STE20/SPS1-Related Proline-Alanine-Rich Protein Kinase (STK39) ELISA Kit; DCHT; DKFZp686K05124; PASK; SPAK; Ste20-like protein kinase; proline-alanine-rich STE20-related kinase; serine/threonine kinase 39; small intestine SPAK-like kinase; STK39 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human STE20/SPS1-related proline-alanine-rich protein kinase (STK39) ELISA Kit has high sensitivity and excellent specificity for detection of Human STK39. No significant cross-reactivity or interference between Human STK39 and analogues was observed.
Sequence Length	545
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 STE20/SPS1-related proline-alanine-rich protein kinase (STK39) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STK39 elisa kit	Description: This Human STE20/SPS1-related proline-alanine-rich protein kinase (STK39) ELISA Kit employs a two-site sandwich ELISA to quantitate STK39 in samples. An antibody specific for STK39 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STK39 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STK39 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 STK39 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: STK39 encodes a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The deduced 547-amino acid protein has a calculated molecular mass of 59.6 kD. STK39 contains an N-terminal series of proline and alanine repeats (PAPA box), followed by a serine/threonine kinase catalytic domain, a nuclear localization signal, a consensus caspase cleavage recognition motif, and a C-terminal region. Northern blot analysis detected ubiquitous expression of a 3.8-kb transcript, with most abundant expression in brain and pancreas. Western blot analysis of mouse tissues detected a protein of about 60 kD in all tissues examined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115430252
NCBI GeneID	27347
NCBI Accession #	NP_037365.2
NCBI GenBank Nucleotide #	NP_037365.2
UniProt Accession #	Q9UEW8
NCBI Official Full Name	STE20/SPS1-related proline-alanine-rich protein kinase
NCBI Official Synonym Full Names	serine/threonine kinase 39
NCBI Official Symbol	STK39
NCBI Official Synonym Symbols	DCHT; PASK; SPAK
NCBI Protein Information	STE20/SPS1-related proline-alanine-rich protein kinase
UniProt Protein Name	STE20/SPS1-related proline-alanine-rich protein kinase
UniProt Gene Name	STK39
UniProt Synonym Gene Names	SPAK; Ste-20-related kinase
UniProt Entry Name	STK39_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ste20-sps1-related-proline-alanine-rich-protein-kinase-stk39/330606>