

Human 14-3-3 Protein sigma (SFN) ELISA Kit | SFN elisa kit

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CATALOG #
AAA330893

REACTIVITY
Human

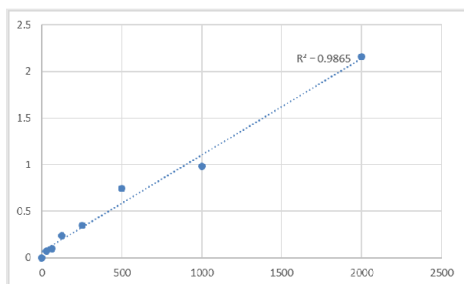
PRODUCT SYNONYMS

14-3-3 Protein sigma (SFN); Human 14-3-3 Protein sigma (SFN) ELISA Kit; YWHAS; 14-3-3 sigma; SFN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human 14-3-3 protein sigma (SFN) ELISA Kit has high sensitivity and excellent specificity for detection of Human SFN. No significant cross-reactivity or interference between Human SFN and analogues was observed.
Sequence Length	248
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 14-3-3 protein sigma (SFN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SFN elisa kit	Description: This Human 14-3-3 protein sigma (SFN) ELISA Kit employs a two-site sandwich ELISA to quantitate SFN in samples. An antibody specific for SFN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SFN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SFN 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 SFN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Stratifin, was shown to be diffusely distributed in the cytoplasm and was present in cultured epithelial cells. It was most abundant in tissues enriched in stratified keratinizing epithelium. The induction of 14-3-3-sigma is mediated by a p53 -responsive element located 1.8 kb upstream of its transcription start site. Exogenous introduction of 14-3-3-sigma into cycling cells results in a G2 arrest. After DNA damage, these cells initially arrested in the G2 phase of the cell cycle, but unlike cells containing 14-3-3-sigma, the 14-3-3-sigma -/- cells were unable to maintain cell cycle arrest. The 14-3-3-sigma -/- cells died (mitotic catastrophe) as they entered mitosis. This process was associated with a failure of the 14-3-3-sigma-deficient cells to sequester the proteins that initiate mitosis and prevent them from entering the nucleus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	398953
NCBI GeneID	2810
UniProt Accession #	P31947
NCBI Official Full Name	14-3-3 protein sigma
NCBI Official Synonym Full Names	stratifin
NCBI Official Symbol	SFN
NCBI Official Synonym Symbols	YWHAS
NCBI Protein Information	14-3-3 protein sigma
UniProt Protein Name	14-3-3 protein sigma
UniProt Gene Name	SFN
UniProt Synonym Gene Names	HME1
UniProt Entry Name	1433S_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/14-3-3-protein-sigma-sfn/330893>