Human Spectrin beta Chain, Brain 3 (SPTBN4) ELISA Kit | SPTBN3 elisa kit

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CATALOG #	REACTIVITY
AAA330568	**Human**

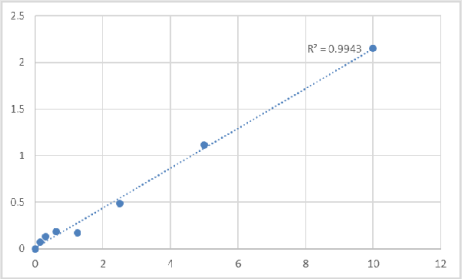
PRODUCT SYNONYMS

Spectrin beta Chain; Brain 3 (SPTBN4); Human Spectrin beta Chain; Brain 3 (SPTBN4) ELISA Kit; SPTBN4; KIAA1642; QV; SPNB4; betaIV spectrin; SPTBN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Spectrin beta chain, brain 3 (SPTBN4) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPTBN4. No significant cross-reactivity or interference between Human SPTBN4 and analogues was observed.
Sequence Length	678
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 Spectrin beta chain, brain 3 (SPTBN4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPTBN3 elisa kit	Description: This Human Spectrin beta chain, brain 3 (SPTBN4) ELISA Kit employs a two-site sandwich ELISA to quantitate SPTBN4 in samples. An antibody specific for SPTBN4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPTBN4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPTBN4 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 SPTBN4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Spectrin is an actin crosslinking and molecular scaffold protein that links the cell membrane to the actin cytoskeleton, and functions in the determination of cell shape, arrangement of transmembrane proteins, and organization of organelles. It is composed of two antiparallel dimers of alpha- and beta- subunits. SPTbN4 is one member of a family of beta-spectrin genes. The encoded protein localizes to the nuclear matrix, PML nuclear bodies, and cytoplasmic vesicles. A highly similar gene in the mouse is required for localization of specific membrane proteins in polarized regions of neurons. Multiple transcript variants encoding different isoforms have been found for this gene. Abundantly expressed in brain and pancreatic islets.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115430239
NCBI GeneID	57731
NCBI Accession #	NP_079489.2
NCBI GenBank Nucleotide #	NP_079489.2
UniProt Accession #	Q9H254
NCBI Official Full Name	spectrin beta chain, non-erythrocytic 4 isoform sigma5
NCBI Official Synonym Full Names	spectrin beta, non-erythrocytic 4
NCBI Official Symbol	SPTBN4
NCBI Official Synonym Symbols	QV; CMND; SPNB4; NEDHND; SPTBN3
NCBI Protein Information	spectrin beta chain, non-erythrocytic 4
UniProt Protein Name	Spectrin beta chain, non-erythrocytic 4
UniProt Gene Name	**SPTBN4**
UniProt Synonym Gene Names	KIAA1642; SPTBN3
UniProt Entry Name	SPTN4_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/sptbn3-human-elisa-kits/spectrin-beta-chain-brain-3-sptbn4/330568