

Human Synaptopodin (SYNPO) ELISA Kit | SYNPO elisa kit

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CATALOG #
AAA330637

REACTIVITY
Human

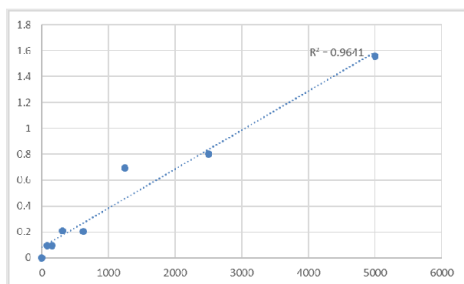
PRODUCT SYNONYMS

Synaptopodin (SYNPO); Human Synaptopodin (SYNPO) ELISA Kit; SYNPO; KIAA1029; SYNPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Synaptopodin (SYNPO) ELISA Kit has high sensitivity and excellent specificity for detection of Human SYNPO. No significant cross-reactivity or interference between Human SYNPO and analogues was observed.
Sequence Length	685
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 Synaptopodin (SYNPO) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYNPO elisa kit	Description: This Human Synaptopodin (SYNPO) ELISA Kit employs a two-site sandwich ELISA to quantitate SYNPO in samples. An antibody specific for SYNPO has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYNPO present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYNPO 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 SYNPO bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Synaptopodin is an actin-associated protein that may play a role in actin-based cell shape and motility. The name synaptopodin derives from the protein's associations with postsynaptic densities and dendritic spines and with renal podocytes. Mouse and human SYNPO share 84% amino acid identity. SYNPO contains a high proline content (20%), making it unlikely that SYNPO forms a globular domain. It has several potential phosphorylation sites and 2 PPxY motifs, which interact with WW domain proteins. Northern blot analysis of human cerebral cortex detected a 4.4-kb transcript. Western blot analysis detected synaptopodin in rat brain beginning at embryonic day 15, with maximal expression in adult animals.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158303333
NCBI GeneID	11346
NCBI Accession #	NP_001103444.1
NCBI GenBank Nucleotide #	NP_001103444.1
UniProt Accession #	Q8N3V7
NCBI Official Full Name	synaptopodin isoform B
NCBI Official Synonym Full Names	synaptopodin
NCBI Official Symbol	SYNPO
NCBI Protein Information	synaptopodin
UniProt Protein Name	Synaptopodin
UniProt Gene Name	SYNPO
UniProt Synonym Gene Names	KIAA1029
UniProt Entry Name	SYNPO_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/synaptopodin-synpo/330637>