

Human Synapsin I (SYN1) ELISA Kit | SYN1 elisa kit

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CATALOG #
AAA68723

REACTIVITY
Human

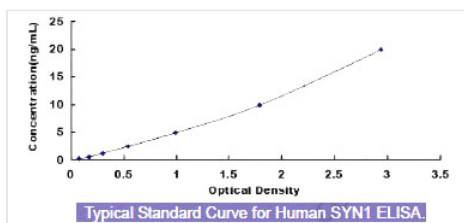
PRODUCT SYNONYMS

Synapsin I (SYN1); Human Synapsin I (SYN1) ELISA Kit; SYN1a; SYN1b; SYN1; Brain protein 4.1; SYN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SYN1. No significant cross-reactivity or interference between SYN1 and analogues was observed.
Sequence Length	705
Samples	Tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.148ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SYN1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SYN1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SYN1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SYN1 in human tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SYN1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SYN1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SYN1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SYN1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19924099
NCBI GeneID	6853
NCBI Accession #	NP_008881.2
NCBI GenBank Nucleotide #	NM_006950.3
UniProt Accession #	P17600; O75825; Q5H9A9; B1AJQ1
Molecular Weight	70,033 Da
NCBI Official Full Name	synapsin-1 isoform Ia
NCBI Official Synonym Full Names	synapsin I
NCBI Official Symbol	SYN1
NCBI Official Synonym Symbols	SYNI; SYN1a; SYN1b
NCBI Protein Information	synapsin-1
UniProt Protein Name	Synapsin-1
UniProt Gene Name	SYN1

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/synapsin-i-syn1/68723>