

Human Anti-Synaptopodin Antibody (Anti-SYNPO) ELISA Kit | Anti-SYNPO elisa kit

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CATALOG #
AAA161502

REACTIVITY
Human

PRODUCT SYNONYMS

Anti-Synaptopodin Antibody (Anti-SYNPO); Human Anti-Synaptopodin Antibody (Anti-SYNPO) ELISA Kit; Anyi-SYNPO ELISA kit (Human); Anti-SYNPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-Synaptopodin Antibody (Anti-SYNPO). No significant cross-reactivity or interference between Anti-Synaptopodin Antibody (Anti-SYNPO) and analogues was observed. Reactive with Human SYNPO/Synaptopodin
Assay Type	Indirect ELISA
Samples	Serum, Plasma and other biological fluids
Detection Method	Colormetric
Featured Series	AE kit
Detection Range	3.12-200ng/mL
Sensitivity	1.18ng/mL
Sample Size	100uL
Assay Time	2h, 30min
Function	Detects protein (antigen)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-Synaptopodin Antibody (Anti-SYNPO) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Anti-Synaptopodin Antibody (Anti-SYNPO) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 100ul standard or sample to each well. Incubate 2 hours at 37 degree C 3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37 degree C 4. Aspirate and wash 5 times 5. Add 90ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 6. Add 50ul Stop Solution. Read at 450nm immediately.
Test Principle	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-Synaptopodin Antibody (Anti-SYNPO) 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 Anti-Synaptopodin Antibody (Anti-SYNPO) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Research Area	Neuro science

Preparation and Storage

Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life)
The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

Typical Standard Curve for SYNPO ELISA (Indirect ELISA)

NCBI AND UNIPROT INFORMATION

NCBI GI #	158303333
NCBI GeneID	11346
NCBI Accession #	NP_001103444.1
NCBI GenBank Nucleotide #	NM_001109974.2
UniProt Accession #	Q8N3V7; O15271; Q9UPX1; A5PKZ8; D3DQG8
Molecular Weight	99,463 Da
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/anti-synaptopodin-antibody-anti-synpo/161502>