

Mouse Synapsin-1 (SYN1) ELISA Kit | SYN1 elisa kit

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CATALOG #
AAA332294

REACTIVITY
Mouse

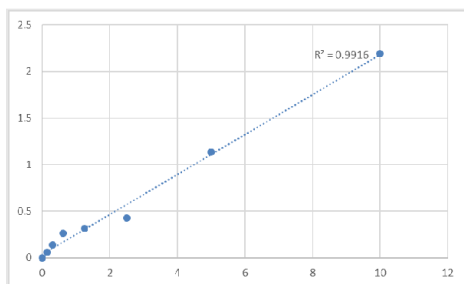
PRODUCT SYNONYMS

Synapsin-1 (SYN1); Mouse Synapsin-1 (SYN1) ELISA Kit; SYN1; RP1-230G1.2; SYN1a; SYN1b; SYN1; brain protein 4.1; SYN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Synapsin-1 (SYN1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SYN1. No significant cross-reactivity or interference between Mouse SYN1 and analogues was observed.
Sequence Length	670
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. Mouse Synapsin-1 (SYN1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYN1 elisa kit	Description: This Mouse Synapsin-1 (SYN1) ELISA Kit employs a two-site sandwich ELISA to quantitate SYN1 in samples. An antibody specific for SYN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYN1 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 SYN1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The synapsin I protein is a member of the synapsin family that are neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. The phosphoprotein plays a role in regulation of axonogenesis and synaptogenesis. The protein serves as a substrate for several different protein kinases and phosphorylation may function in the regulation of this protein in the nerve terminal. Synapsin I is found in two isoforms of the protein, Synapsin Ia and Synapsin Ib, with Synapsin Ib being a slightly shorter version of the protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	160707903
NCBI GeneID	20964
NCBI Accession #	NP_001104250.1
NCBI GenBank Nucleotide #	NP_001104250.1
UniProt Accession #	O88935
NCBI Official Full Name	synapsin-1 isoform b
NCBI Official Synonym Full Names	synapsin I
NCBI Official Symbol	Syn1
NCBI Official Synonym Symbols	Syn-1; Syn1-S
NCBI Protein Information	synapsin-1
UniProt Protein Name	Synapsin-1
UniProt Gene Name	Syn1
UniProt Synonym Gene Names	Syn-1
UniProt Entry Name	SYN1_MOUSE

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.