

Rat synaptophysin ELISA Kit | SYP elisa kit

Rat Synaptophysin, Syp ELISA Kit

CATALOG #
AAA15342

REACTIVITY
Rat

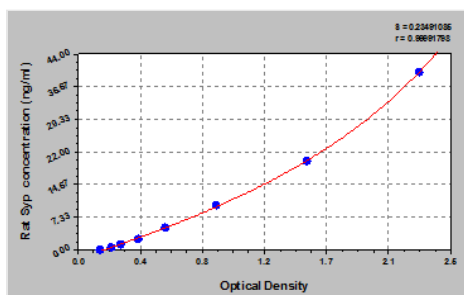
PRODUCT SYNONYMS

synaptophysin; Rat Synaptophysin; Syp ELISA Kit; Rat Synaptophysin (Syp) ELISA kit; MRXSYP; major synaptic vesicle protein P38; SYP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat SYP. No significant cross-reactivity or interference between Rat SYP and analogues was observed.
Sequence Length	307
Samples	Tissue homogenates, serum and plasma
Assay Type	Sandwich
Detection Range	0.625 ng/ml-40 ng/ml
Sensitivity	0.156 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SYP elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for synaptophysin has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any synaptophysin present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for synaptophysin is added to the wells. After washing, avidin 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 synaptophysin bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981622
NCBI GeneID	24804
NCBI Accession #	NP_036796.1
NCBI GenBank Nucleotide #	NM_012664.2
UniProt Accession #	P07825; Q499R3
Molecular Weight	33,311 Da
NCBI Official Full Name	synaptophysin
NCBI Official Synonym Full Names	synaptophysin
NCBI Official Symbol	Syp
NCBI Official Synonym Symbols	Syp1
NCBI Protein Information	synaptophysin; major synaptic vesicle protein p38
UniProt Protein Name	Synaptophysin
UniProt Gene Name	Syp
UniProt Entry Name	SYPH_RAT

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.