

Immunotag™ SYP Monoclonal Antibody

Antibody Specification	
Catalog No.	ITM0608
Product Description	Immunotag™ SYP Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SYP
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Rat
Host Species	Mouse
Immunogen	Purified recombinant fragment of SYP expressed in E Coli
Specificity	SYP Monoclonal Antibody detects endogenous levels of SYP protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	SYP
Accession No.	P08247 Q62277 P07825
Alternate Names	SYP; Synaptophysin; Major synaptic vesicle protein p38
Description	synaptophysin(SYP) Homo sapiens This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with X-linked mental retardation (XLMR). [provided by RefSeq, Aug 2011],

Antibody Specification

Protein Expression	Brain,
Subcellular Localization	synaptic vesicle,membrane,integral component of membrane,cell junction,integral component of synaptic vesicle membrane,presynaptic membrane,neuron projection,terminal bouton,presynaptic active zone,excitatory synapse,
Protein Function	domain:The calcium-binding activity is thought to be localized in the cytoplasmic tail of the protein.,function:Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane.,online information:Synaptophysin entry,PTM:Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.,similarity:Belongs to the synaptophysin/synaptobrevin family.,similarity:Contains 1 MARVEL domain.,subunit:Homohexamer or homotetramer.,tissue specificity:Characteristic of a type of small (30-80 nm) neurosecretory vesicles, including presynaptic vesicles, but also vesicles of various neuroendocrine cells of both neuronal and epithelial phenotype.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.