

Immunotag™ SYT5 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1390
Product Description	Immunotag™ SYT5 Polyclonal 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	SYT5
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SYT5 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	SYT5
Accession No.	O00445 Q9R0N5 P47861
Description	synaptotagmin 5(SYT5) Homo sapiens Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C (see MIM 176960) regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules (summary by Hudson and Birnbaum, 1995 [PubMed 7597049]).[supplied by OMIM, Feb 2011],

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Protein Expression	Brain,
Subcellular Localization	plasma membrane,integral component of membrane,cell junction,synaptic vesicle membrane,dense core granule,neuron projection,neuronal cell body,perinuclear region of cytoplasm,recycling endosome membrane,
Protein Function	cofactor: Binds 3 calcium ions per subunit. The ions are bound to the C2 domains.,function: May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Regulates the Ca(2+)-dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface.,similarity: Belongs to the synaptotagmin family.,similarity: Contains 2 C2 domains.,subcellular location: In mast cells, localizes to the endocytic recycling compartment.,subunit: Homodimer. Can also form heterodimers. Interacts with both alpha- and beta-tubulin.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.