# Immunotag™ SYT5 Polyclonal Antibody

## Antibody Specification

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| 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. |