

Mouse Monoclonal Antibody to SYP

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| Catalogue Number | sAP-0385 |
| Target Molecule | Name: SYP Aliases: MRXSYP; SYP MW: 33.8kDa Entrez Gene ID: 6855 |
| Description | Synaptophysin (p38) is an integral membrane protein of small synaptic vesicles in brain and endocrine cells. Synaptophysin contains four transmembrane domains that form a hexameric channel or gap junction-like pore. Synaptophysin binds to the SNARE protein synaptobrevin/VAMP, which prevents the inclusion of synaptobrevin in the synaptic vesicle fusion complex and creates a pool of synaptobrevin for exocytosis when synapse activity increases. Synaptophysin is also responsible for targeting synaptobrevin 2/VAMP2 to synaptic vesicles, a critical component of the fusion complex. |
| Immunogen | Purified recombinant fragment of SYP expressed in E. Coli. |
| Recitative Species | Hunam; Rat |
| Clone | MM7H12; |
| Size and Concentration | 100µg/1mg/ml |
| Supplied as | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. |
| Reconstitution/Storages | Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage |
| Applications | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1. Cancer. 2007 Oct 15;110(8):1776-81. ; 2. J Gastroenterol Hepatol. 2008 Oct;23(10):1574-85. ; 3. Virchows Arch. 2009 Aug;455(2):125-32. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**