



## Mouse monoclonal antibody to Synaptophysin [Syn-58]: IgG

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| <b>Catalogue No.:</b>    | M-993-100  |
| <b>Description:</b>      | Synaptophysin is a 38 kDa glycoprotein present in the membranes of neuronal presynaptic vesicles in brain, spinal cord, retina, vesicles of adrenal medulla, neuromuscular junctions and endocrine cells. It is also expressed by neuroendocrine cells, both normal and neoplastic. Synaptophysin is a useful marker for the identification of normal neuroendocrine cells and neuroendocrine neoplasms. |
| <b>Batch No.:</b>        | See product label  |
| <b>Unit size:</b>        | 100 ug   |
| <b>Antigen:</b>          | Rat retina synaptosome   |
| <b>Clone:</b>            | Syn-58   |
| <b>Other Names:</b>      | Syp; p38; SVP38; SP; SYN; SYP1;  |
| <b>Accession:</b>        | P07825 SYPH_RAT  |
| <b>Produced in:</b>      | Mouse  |
| <b>Purity:</b>           | IgG  |
| <b>Applications:</b>     | Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.5-1.0 ug/mL is recommended for WB. Rat synaptophysin has a predicted length of 307 residues and a MW of 38 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect synaptophysin in formalin/acetone fixed tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.        |
| <b>Specificity:</b>      | The specificity of this antibody has been confirmed by WB and IHC against the antigen.   |
| <b>Cross-reactivity:</b> | Rat  |
| <b>Form:</b>             | Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN3   |
| <b>Reconstitution:</b>   | Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.   |
| <b>Storage:</b>          | At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.  |
| <b>Expiry Date:</b>      | 12 months after purchase   |

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