

**SYN**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # APA038**

## Specification

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### SYN - Product Information

Application	IHC
Primary Accession	<a href="#">P08247</a>
Host	Mouse
Clonality	Monoclonal
Calculated MW	33845 Da

### SYN - Additional Information

Gene ID	6855
Gene Name	SYP
<b>Other Names</b>	Synaptophysin, Major synaptic vesicle protein p38, SYP

Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SYN is for research use only and not for use in diagnostic or therapeutic procedures.

### SYN - Protein Information

**Name** SYP

**Function** Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane. Involved in the regulation of short-term and long-term synaptic plasticity (By similarity).

**Cellular Location** Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Multi-pass membrane protein. Cell junction, synapse, synaptosome

**Tissue Location** Expressed in the brain, with expression in the hippocampus, the neuropil in the dentate gyrus, where expression is higher in the outer half of the molecular layer than in the inner half, and in the neuropil of CA4 and CA3.

**SYN - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SYN - Images**