

**SYP / Synaptophysin Antibody (aa101-150)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15067**

**Specification**

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**SYP / Synaptophysin Antibody (aa101-150) - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P08247</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>34kDa KDa</b>

**SYP / Synaptophysin Antibody (aa101-150) - Additional Information**

**Gene ID** 6855

**Other Names**

Synaptophysin, Major synaptic vesicle protein p38, SYP

**Target/Specificity**

Synaptophysin Antibody detects endogenous levels of total Synaptophysin protein.

**Reconstitution & Storage**

Store at -20°C for up to one year.

**Precautions**

SYP / Synaptophysin Antibody (aa101-150) is for research use only and not for use in diagnostic or therapeutic procedures.

**SYP / Synaptophysin Antibody (aa101-150) - 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. 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 (PubMed:8838578). Expressed in the putamen (at protein level) (PubMed:17296554)

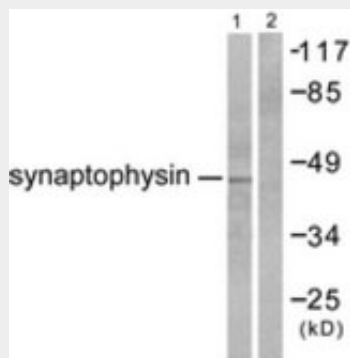
**Volume**  
50  $\mu$ l

### **SYP / Synaptophysin Antibody (aa101-150) - Protocols**

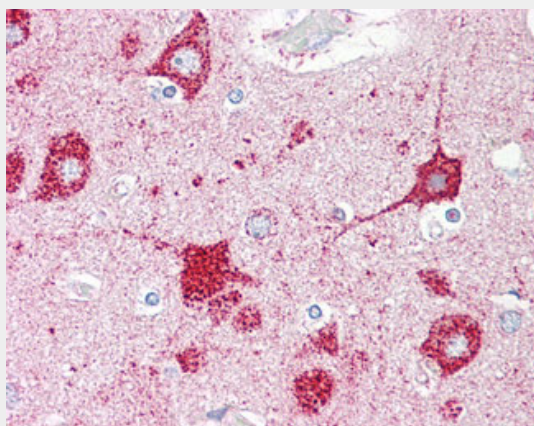
Provided below are standard protocols that you may find useful for product applications.

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

### **SYP / Synaptophysin Antibody (aa101-150) - Images**



Western blot of extracts from LOVO cells, using Synaptophysin Antibody.



Anti-SYP / Synaptophysin antibody IHC of human brain, cortex.

### **SYP / Synaptophysin Antibody (aa101-150) - Background**

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).

### **SYP / Synaptophysin Antibody (aa101-150) - References**

Suedhof T.C., et al. *Nucleic Acids Res.* 15:9607-9607(1987).  
Oezcelik T., et al. *Am. J. Hum. Genet.* 47:551-561(1990).  
Fisher S.E., et al. *Genomics* 45:340-347(1997).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Ross M.T., et al. *Nature* 434:325-337(2005).