

# Synaptophysin Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51545

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P08247</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	33845

## Additional Information

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<b>Gene ID</b>	6855
<b>Other Names</b>	Synaptophysin, Major synaptic vesicle protein p38, SYP
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Synaptophysin. The exact sequence is proprietary.
<b>Dilution</b>	WB~~ 1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	SYP
<b>Function</b>	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).
<b>Cellular Location</b>	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Multi-pass membrane protein. Synapse, synaptosome
<b>Tissue Location</b>	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)

## Background

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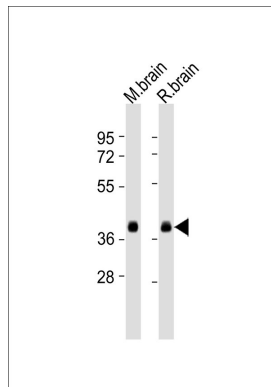
## References

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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).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

## Images

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All lanes : Anti-Synaptophysin Antibody at 1:1000 dilution  
Lane 1: mouse brain lysates Lane 2: rat brain lysates  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.