

# Synaptophysin Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51545

## Product Information

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

## Additional Information

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Gene ID	6855
Other Names	Synaptophysin, Major synaptic vesicle protein p38, SYP
Target/Specificity	KLH conjugated synthetic peptide derived from human Synaptophysin
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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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)

## Background

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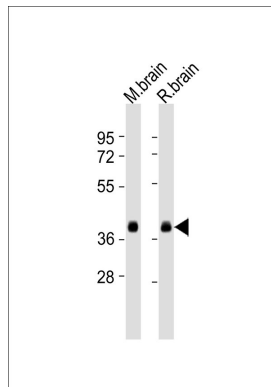
## References

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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'.