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SYP Antibody (C-term)

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8625b

Product Information

Application	WB, E
Primary Accession	P08247
Other Accession	Q62277, P07825, Q5YJC1
Reactivity	Human, Mouse
Predicted	Mouse, Rat, Bovine, Canine
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	701CT23.9.8
Calculated MW	33845

Additional Information

Gene ID	6855
Other Names	Synaptophysin, Major synaptic vesicle protein p38, SYP
Target/Specificity	This SYP antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 220-253 amino acids from the C-terminal region of human SYP.
Dilution	WB~~1:4000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
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	SYP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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)

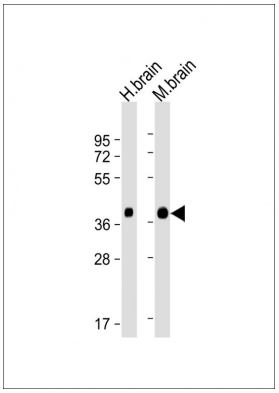
Background

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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).

Images



All lanes : Anti-SYP Antibody (C-term) at 1:4000 dilution Lane 1: Human brain lysate Lane 2: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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