
Product Name: SYP Mouse Monoclonal Antibody**Catalog #: AMM80835**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	33.8kDa

Antigen Information

Gene Name	SYP
Alternative Names	MRXSYP; SYP
Gene ID	6855.0
SwissProt ID	P08247
Immunogen	Purified recombinant fragment of SYP expressed in E. Coli.

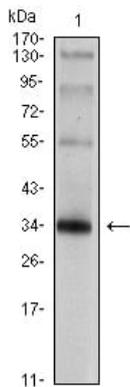
Background

Synaptophysin (p38) is an integral membrane protein of small synaptic vesicles in brain and endocrine cells. Synaptophysin contains four transmembrane domains that form a hexameric channel or gap junction-like pore. Synaptophysin binds to the SNARE protein synaptobrevin/VAMP, which prevents the inclusion of synaptobrevin in the synaptic vesicle fusion complex and

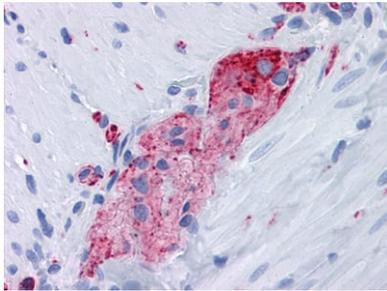
creates a pool of synaptobrevin for exocytosis when synapse activity increases. Synaptophysin is also responsible for targeting synaptobrevin 2/VAMP2 to synaptic vesicles, a critical component of the fusion complex.

Research Area

Image Data



Western blot analysis using SYP mouse mAb against rat brain tissue lysate.



Immunohistochemical analysis of paraffin-embedded human Small Intestine, myenteric plexus tissues using anti-SYP mouse mAb