
Product Name: SYT1 Mouse Monoclonal Antibody**Catalog #: AMM80698**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human,Mouse,Rat,Rabbit
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	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	40kDa

Antigen Information

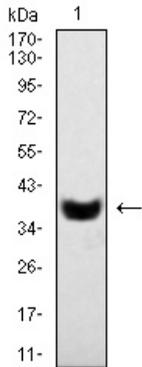
Gene Name	SYT1
Alternative Names	P65; SYT; SVP65; DKFZp781D2042
Gene ID	6857.0
SwissProt ID	P21579
Immunogen	Purified recombinant fragment of SYT1 expressed in E. Coli.

Background

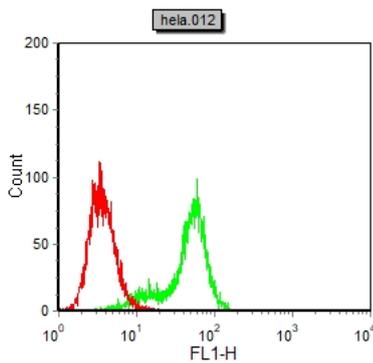
SYT1: synaptotagmin I. The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca²⁺ sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin I participates in triggering neurotransmitter release at the synapse.

Research Area

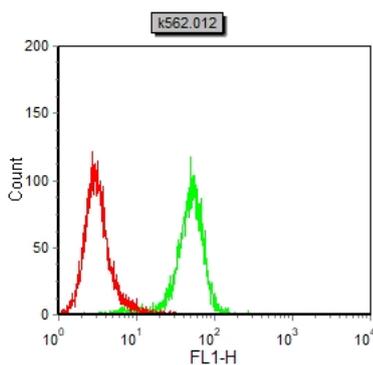
Image Data



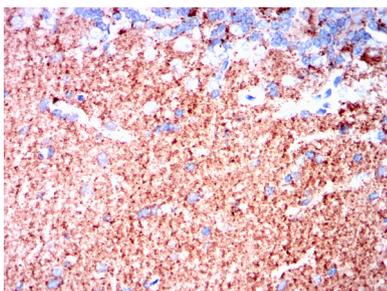
Western blot analysis using SYT1 mouse mAb against mouse brain tissue lysate.



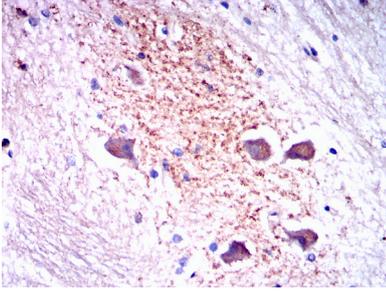
Flow cytometric analysis of HeLa cells using SYT1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of K562 cells using SYT1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded rat brain tissue using SYT1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human brain tissue using SYT1 mouse mAb with DAB staining.