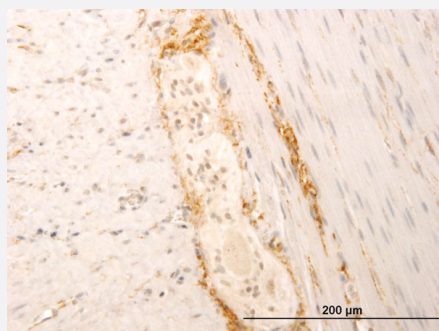


SYT1 monoclonal antibody (M05), clone 1A6

Catalog # H00006857-M05

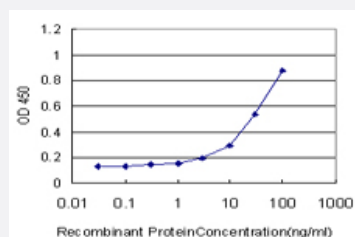
Size 100 ug

Applications



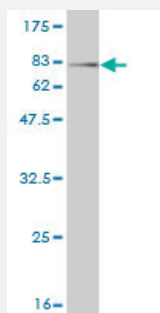
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SYT1 on formalin-fixed paraffin-embedded human smooth muscle. [antibody concentration 1.5 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SYT1 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (72.16 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant SYT1.

Immunogen	SYT1 (AAH58917, 1 a.a. ~ 422 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVSESHHEALAAPPVTTVATVLP SNATEPASPGE GKEDAFSKLKEKFMNELHKIPLPPWALIAIAI VAVLLVLTCCFCICKKCLFKKKKNKKKGKEKGGKNAINMKDVKDLGKTMKDQALKDDDAETGLTD GEEKEEPKEEEKLGKLQYSLDYDFQNNQLLVGIIQAAELPALDMGGTSDPYVKVFLLPDKKKKFE TKVHRKTLNPVFNEQFTFKVPYSELGGKTLVMAVYDFDRFSKHDIIGEFKVPMTNVD FGHVTEEW RDLQSAEKEEQEKLGDICFSLRYVPTAGKLTVVILEAKNLKKMDVGGLSDPYVKIHLMQNGKRLKK KKTTIKKNTLNPYYNESFSFEVPFEQIQKVQVVVTVLDYDKIGKND AIGKV FVGYNSTGAELRHWS MLANPRRPIAQWHTLQVEEEVDAMLAVKK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (72.16 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SYT1 on formalin-fixed paraffin-embedded human smooth muscle. [antibody concentration 1.5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SYT1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SYT1

Entrez GeneID [6857](#)

GeneBank Accession# [BC058917](#)

Protein Accession# [AAH58917](#)

Gene Name SYT1

Gene Alias DKFZp781D2042, P65, SVP65, SYT

Gene Description synaptotagmin I

Omim ID [185605](#)

Gene Ontology [Hyperlink](#)

Gene Summary The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin I participates in triggering neurotransmitter release at the synapse (Fernandez-Chacon et al., 2001 [PubMed 11242035]).[supplied by OMIM]

Other Designations OTTHUMP00000166064|synaptotagmin 1

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Mental Retardation](#)
- [Tobacco Use Disorder](#)