

## Synaptotagmin-1 Mouse mAb[T178]

Cat NO. :A65501

### Information:

Applications	Reactivity:	UniProt ID:	MW(kDa)	Host	Isotype	Size
WB,IHC	H,M,R	P21579	60kda	Mouse	IgG	50ul 100ul,200ul

### Applications detail:

Application	Dilution
WB	1:1000-2000
IHC	1:100
The optimal dilutions should be determined by the end user	

### Conjugate:

UnConjugate

### Form:

Liquid

### sensitivity:

Endogenous

### Purification:

Protein A purification

### Specificity:

Antibody is produced by immunizing animals with a synthetic peptide of human Synaptotagmin-1.

### Storage buffer and conditions:

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol (buffer) .

Shipped at 4°C. Store at -20°C or -80°C.

Products are valid for one natural year of receipt.Avoid repeated freeze / thaw cycles.

### Tissue specificity:

Expressed in melanocytes (PubMed:23999003)..

### Subcellular location:

Cytoplasmic vesicle, secretory vesicle membrane,Single-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane,Single-pass membrane protein. Cytoplasmic vesicle,

### Function:

**Introduction:** **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/Immunofluorescence **F:** Flow Cytometry

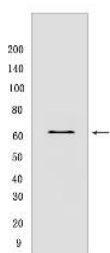
**Cross Reactivity:** **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **MI:** mink **C:** chicken **Dm:** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

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Calcium sensor that participates in triggering neurotransmitter release at the synapse (By similarity). May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse (By similarity). It binds acidic phospholipids with a specificity that requires the presence of both an acidic head group and a diacyl backbone. A Ca(2+)-dependent interaction between synaptotagmin and putative receptors for activated protein kinase C has also been reported. It can bind to at least three additional proteins in a Ca(2+)-independent manner, these are neuroligins, syntaxin and AP2. Plays a role in dendrite formation by melanocytes (PubMed:23999003)..

## Validation Data:

### Synaptotagmin-1 Mouse mAb[T178] Images



Western blot (SDS PAGE) analysis of extracts from rat cerebellum tissue. Using Synaptotagmin-1 Mouse mAb IgG [T178] at dilution of 1:1000 incubated at 4°C over

View more information on <http://naturebios.com>

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.

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