



# Anti-SYT1 (aa 100-200) polyclonal antibody (DPABH-28496)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse. 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 neurexins, syntaxin and AP2.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Mouse Synaptotagmin 1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.40; Constituent: PBS
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze

/ thaw cycles.

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## GENE INFORMATION

Gene Name	<a href="#">SYT2 synaptotagmin I [ Mus musculus ]</a>
Official Symbol	SYT1
Synonyms	SYT1; synaptotagmin I; SytI; AW124717; G630098F17Rik; synaptotagmin-1; p65; synaptotagmin 1;
Entrez Gene ID	<a href="#">20979</a>
Protein Refseq	<a href="#">NP_001239270.1</a>
UniProt ID	<a href="#">H6RXZ1</a>
Pathway	Acetylcholine Neurotransmitter Release Cycle; Glutamate Neurotransmitter Release Cycle; Neurotransmitter Release Cycle; Synaptic vesicle cycle
Function	SNARE binding; calcium ion binding; calcium ion binding; calcium-dependent phospholipid binding

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