



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

Antigen Description	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.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Mouse Synaptotagmin 1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituent: PBS
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze

/ thaw cycles.

GENE INFORMATION

Gene Name	SYT2 synaptotagmin I [<i>Mus musculus</i>]
Official Symbol	SYT1
Synonyms	SYT1; synaptotagmin I; Sytl; AW124717; G630098F17Rik; synaptotagmin-1; p65; synaptotagmin 1;
Entrez Gene ID	20979
Protein Refseq	NP_001239270.1
UniProt ID	H6RXZ1
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