

Rabbit Anti-SYT1 Polyclonal Antibody

CPB-1174RH Rabbit(SYT1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-SYT1 Polyclonal Antibody
Antigen Description	The SYT1s 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 SYT1 participates in triggering neurotransmitter release at the synapse.
specificity	The antibody detects endogenous level of total SYT1/2 protein.
Target	SYT1
Immunogen	Peptide sequence around aa.200~204/197~201 (R-K-T-L-N) derived from Human.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA, WB

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	SYT1 synaptotagmin I [Homo sapiens]
Official Symbol	SYT1
Synonyms	SYT1; synaptotagmin I; SVP65, SYT; synaptotagmin-1; P65; sytl; synaptotagmin 1; SYT; SVP65; DKFZp781D2042;
GeneID	6857
mRNA Refseq	NM_001135805
Protein Refseq	NP_001129277
MIM	185605
UniProt ID	P21579
Chromosome Location	12cen-q21
Pathway	Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem; Botulinum neurotoxicity, organism-specific biosystem; Disease, organism-specific biosystem; Dopamine Neurotransmitter Release Cycle, organism-specific biosystem; Effects of Botulinum toxin, organism-specific biosystem; GABA synthesis, release, reuptake and degradation, organism-specific biosystem; Glutamate Neurotransmitter Release Cycle, organism-specific biosystem;

Function

1-phosphatidylinositol binding; calcium ion binding; calcium-dependent protein binding; calmodulin binding; identical protein binding; low-density lipoprotein particle receptor binding; phospholipid binding; protein binding; syntaxin-1 binding; transporter activity;