

Rabbit Anti-SYT1 Polyclonal Antibody

CPB-1173RH Rabbit(SYT1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-SYT1 Polyclonal Antibody
Antigen Description	The SYT1 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 protein.
Target	SYT1
Immunogen	Peptide sequence around aa.307~311 (G-L-S-D-P) derived from Human SYT1.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA

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;