

Rabbit Anti-SYN1 Polyclonal Antibody

CPB-795RH Rabbit(SYN1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-SYN1 Polyclonal Antibody
Antigen Description	Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level.
specificity	The antibody detects endogenous level of SYN1 only when phosphorylated at serine 9.
Target	SYN1
Immunogen	Peptide sequence around phosphorylation site of serine 9 (R-L-S(p)-D-S) derived from Human SYN1.
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 Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	SYN1 synapsin I [Homo sapiens]
Official Symbol	SYN1
Synonyms	SYN1; synapsin I; synapsin-1; brain protein 4.1; SYN1; SYN1a; SYN1b;
GeneID	6853
mRNA Refseq	NM_006950
Protein Refseq	NP_008881
MIM	313440
UniProt ID	P17600
Chromosome Location	Xp11.2
Pathway	Dopamine Neurotransmitter Release Cycle, organism-specific biosystem; Monoamine Transport, organism-specific biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter Release Cycle, organism-specific biosystem; Serotonin Neurotransmitter Release Cycle, organism-specific biosystem; Transmission across Chemical Synapses, organism-specific biosystem;
Function	ATP binding; actin binding; ligase activity; transporter activity;