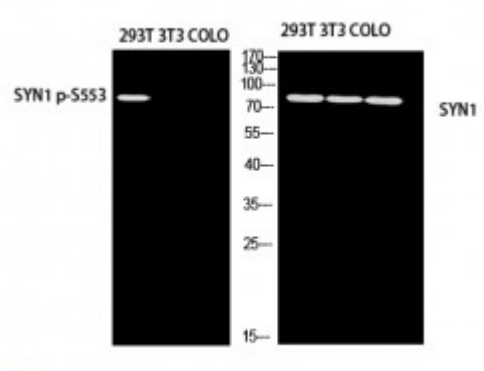
Anti-Phospho-Synapsin-1 (S553) antibody



Description	Rabbit polyclonal to Phospho-Synapsin-1 (S553).

Model	STJ97692
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Synapsin-1 around the phosphorylation site of S553.
Gene ID	6853
Gene Symbol	SYN1
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	Phospho-Synapsin-1 (S553) Polyclonal Antibody detects endogenous levels of Synapsin-1 around the phosphorylation site of S553 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Synapsin-1 Brain protein 4.1 Synapsin I
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11494OMIM:300491
Alternative Names	Synapsin-1 Brain protein 4.1 Synapsin I
Function	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.
Sequence and Domain Family	The A region binds phospholipids with a preference for negatively charged species.
Cellular Localization	Cell junction, synapse. Golgi apparatus
Post-translational Modifications	Substrate of at least four different protein kinases. It is probable that phosphorylation plays a role in the regulation of synapsin-1 in the nerve terminal.; Phosphorylation at Ser-9 dissociates synapsins from synaptic vesicles.

St John's Laboratory Ltd
F +44 (0)207 681 2580
T +44 (0)208 223 3081
W http://www.stjohnslabs.com/
E info@stjohnslabs.com