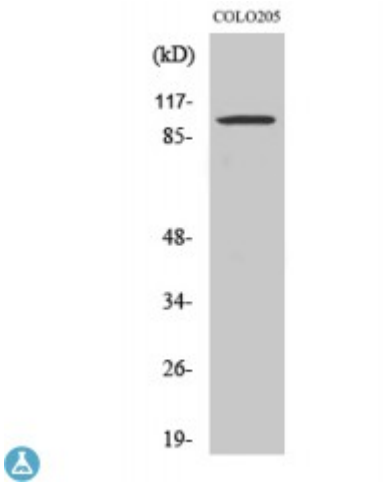
Anti-Synphilin-1 antibody



Description	Rabbit polyclonal to Synphilin-1.

Model	STJ95857
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Synphilin-1.
Immunogen Region	C-terminal
Gene ID	9627
Gene Symbol	SNCAIP
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
Specificity	Synphilin-1 Polyclonal Antibody detects endogenous levels of Synphilin-1 protein.
Tissue Specificity	Detected in brain (at protein level). Widely expressed, with highest levels in brain, heart and placenta.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Synphilin-1 Sph1 Alpha-synuclein-interacting protein
Molecular Weight	100 kDa
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:11139OMIM:168600
Alternative Names	Synphilin-1 Sph1 Alpha-synuclein-interacting protein
Function	Isoform 2 inhibits the ubiquitin ligase activity of SIAH1 and inhibits proteasomal degradation of target proteins. Isoform 2 inhibits autoubiquitination and proteasomal degradation of SIAH1, and thereby increases cellular levels of SIAH. Isoform 2 modulates SNCA monoubiquitination by SIAH1.
Cellular Localization	Cytoplasm. Detected in cytoplasmic inclusion bodies, together with SNCA.
Post-translational Modifications	Ubiquitinated; mediated by SIAH1, SIAH2 or RNF19A and leading to its subsequent proteasomal degradation. In the absence of proteasomal degradation, ubiquitinated SNCAIP accumulates in cytoplasmic inclusion bodies. Isoform 2 is subject to limited ubiquitination that does not lead to proteasomal degradation.