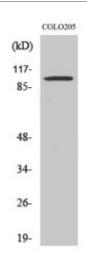


Anti-Synphilin-1 antibody



Description

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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 <u>9627</u>

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 <u>HGNC:11139OMIM:168600</u>

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 Ubiquitinated; mediated by SIAH1, SIAH2 or RNF19A and leading to its **Modifications** 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.

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