

Product datasheet for **AP13492PU-N**

Synphilin 1 (SNCAIP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide in the C-terminal region of human Synphilin-1.
Specificity:	This antibody reacts to Synphilin-1 (SNCAIP).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Homo sapiens synuclein alpha interacting protein (SNCAIP), transcript variant 1
Database Link:	Entrez Gene 9627 Human Q9Y6H5



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Background:

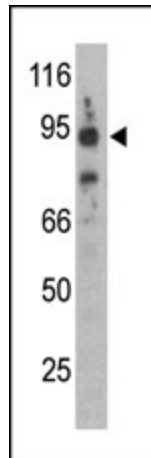
Parkinson is the second most common neurodegenerative disease after Alzheimers. About 1 percent of people over the age of 65 and 3 percent of people over the age of 75 are affected by the disease. The mutation is the most common cause of Parkinson disease identified to date. Synuclein alpha interacting protein (Synphilin-1) contains several protein-protein interaction domains and interacts with alpha synuclein in neurons. Mutations of SNCAIP have been linked to Parkinson disease. The amino acid sequence of synphilin-1 shows extensive homology with its human counterpart, especially in regions containing ankyrin-like motifs and the coiled-coil domain. Expression of mouse synphilin-1 in tissues is similar to its human counterpart. Synphilin-1 has an important role in the formation of aggregates and cytotoxicity in Parkinson disease and that Dofin may be involved in the pathogenic process by ubiquitylation of synphilin-1. Role of synphilin-1 in synaptic function and protein degradation and in the molecular mechanisms leading to neurodegeneration in Parkinson disease

Synonyms:

Synphilin-1, Sph1

Protein Pathways:

Parkinson's disease

Product images:

The anti-Synphilin-1 C-term Pab is used in Western blot to detect Synphilin-1 in mouse brain lysate.