

SNCA Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6401B

Specification

SNCA Antibody (C-term) - Product Information

| | |
|-------------------|---------------------------|
| Application | WB, IHC-P,E |
| Primary Accession | P37840 |
| Other Accession | NP_009292 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit Ig |
| Clone Names | RB07369 |
| Antigen Region | 75-104 |

SNCA Antibody (C-term) - Additional Information

Gene ID 6622

Other Names

Alpha-synuclein, Non-A beta component of AD amyloid, Non-A4 component of amyloid precursor, NACP, SNCA, NACP, PARK1

Target/Specificity

This SNCA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-104 amino acids from the C-terminal region of human SNCA.

Dilution

WB~~1:1000
IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

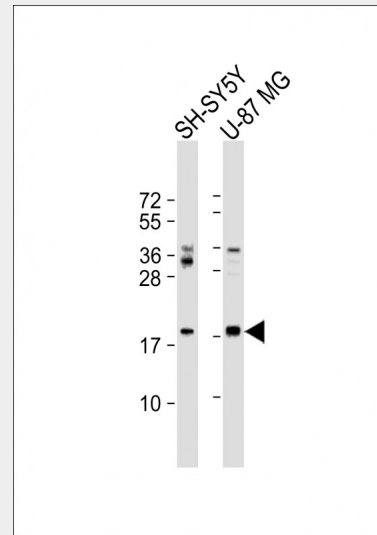
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

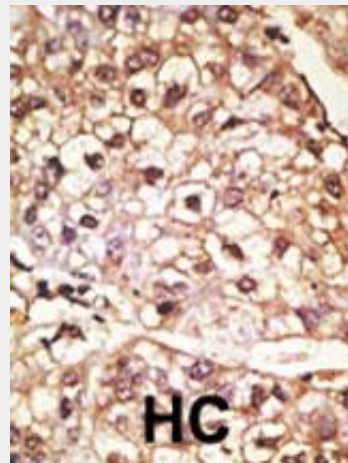
SNCA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SNCA Antibody (C-term) - Protein Information

Name SNCA



All lanes : Anti-Park1 Antibody (C-term) at 1:1000 dilution Lane 1: SH-SY5Y whole cell lysate Lane 2: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

Synonyms NACP, PARK1

Function

May be involved in the regulation of dopamine release and transport. Induces fibrillization of microtubule-associated protein tau. Reduces neuronal responsiveness to various apoptotic stimuli, leading to a decreased caspase-3 activation.

Cellular Location

Cytoplasm. Membrane. Nucleus. Cell junction, synapse. Note=Membrane-bound in dopaminergic neurons

Tissue Location

Expressed principally in brain but is also expressed in low concentrations in all tissues examined except in liver. Concentrated in presynaptic nerve terminals

SNCA Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SNCA Antibody (C-term) - Background

Alpha Synuclein is implicated in the regulation of dopamine release and transport. It is a soluble protein, expressed principally in the brain but also expressed in low concentrations in all tissues examined (except liver). In the nervous system, alpha Synuclein is primarily located at presynaptic terminals and is found membrane bound in dopaminergic neurons. It can form filamentous aggregates that are the major non amyloid component of intracellular inclusions in several neurodegenerative diseases (synucleinopathies), including Parkinson's Disease. Alpha Synuclein induces fibrillization of microtubule associated protein tau and reduces neuronal responsiveness to various apoptotic stimuli, leading to a decreased caspase 3 activation. Alpha synuclein is a protein phosphorylated predominantly on serine residues. Additional splicing may be present but the full-length nature of these variants has not been determined. This variant (NACP112) lacks an alternate in-frame segment, compared to variant NACP140, resulting in a shorter protein (isoform NACP112) that has a distinct C-terminus, compared to isoform NACP140. This antibody recognizes both NACP112 and NACP140.

SNCA Antibody (C-term) - References

Kumru, H., et al., Ann. Neurol. 56(4):599-603 (2004). Pigullo, S., et al., Parkinsonism Relat. Disord. 10(6):357-362 (2004). Yao, D., et al., Proc. Natl. Acad. Sci. U.S.A. 101(29):10810-10814 (2004). West, A.B., et al., J. Biol. Chem. 279(28):28896-28902 (2004). Wang, F., et al., Genes Chromosomes Cancer 40(2):85-96 (2004).