

Rabbit anti-Human SNCA Polyclonal Antibody | anti-SNCA antibody

SNCA Antibody (C-term)

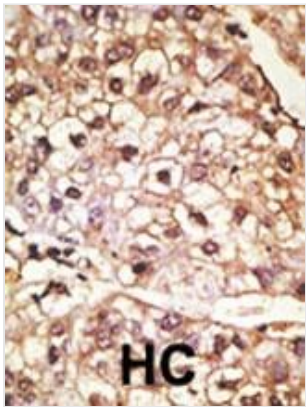
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285202	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

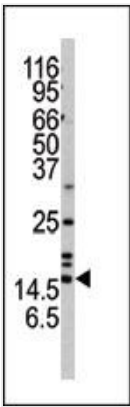
SNCA; Polyclonal Antibody; SNCA Antibody (C-term); Alpha-synuclein; Non-A beta component of AD amyloid; Non-A4 component of amyloid precursor; NACP; PARK1; anti-SNCA antibody

PRODUCT SPECIFICATIONS

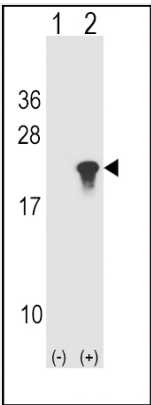
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SNCA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-104 amino acids from the C-terminal region of human SNCA.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	75-104
Sequence Length	126
Applicable Applications for anti-SNCA antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
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.



WB (Western Blot)
Western blot analysis of anti-Alpha-synuclein Pab in mouse brain tissue lysate. Alpha-synuclein (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of Park1 (arrow) using rabbit polyclonal Park1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Park1 gene.

ADDITIONAL INFORMATION

Related Product Information for anti-SNCA antibody	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 NCAP140.
Product Categories/Family for anti-SNCA antibody	Neuroscience
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507109
NCBI GeneID	6622
NCBI Accession #	NP_000336.1; NP_001139526.1; NP_001139527.1; NP_009292.1
NCBI GenBank Nucleotide #	NM_000345.3
UniProt Accession #	P37840; Q13701; Q4JHI3; Q6IAU6; A8K2A4
Molecular Weight	14460
NCBI Official Full Name	alpha-synuclein isoform NACP140
NCBI Official Synonym Full Names	synuclein, alpha (non A4 component of amyloid precursor)
NCBI Official Symbol	SNCA
NCBI Official Synonym Symbols	PD1; NACP; PARK1; PARK4
NCBI Protein Information	alpha-synuclein
UniProt Protein Name	Alpha-synuclein
UniProt Gene Name	SNCA
UniProt Synonym Gene Names	NACP; PARK1; NACP
UniProt Entry Name	SYUA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/snca-antibody-immunohistochemistry-western-blot-elisa/285202>