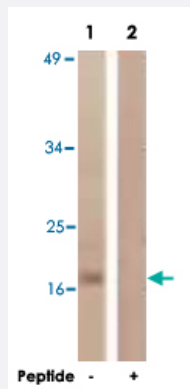


SNCA polyclonal antibody

Catalog # PAB18226 Size 100 ug

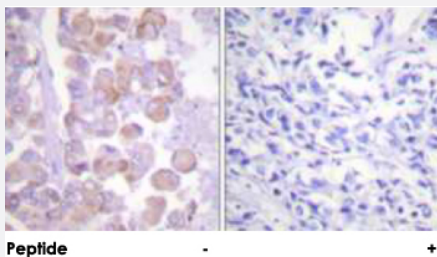
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HUVEC cells, using SNCA polyclonal antibody (Cat # PAB18226).

Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SNCA polyclonal antibody (Cat # PAB18226).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SNCA.
Immunogen	A synthetic peptide corresponding to residues surrounding S129 of human SNCA.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to SNCA.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HUVEC cells, using SNCA polyclonal antibody (Cat # PAB18226).
Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SNCA polyclonal antibody (Cat # PAB18226).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SNCA

Entrez GeneID	6622
Protein Accession#	P37840
Gene Name	SNCA
Gene Alias	MGC110988, NACP, PARK1, PARK4, PD1
Gene Description	synuclein, alpha (non A4 component of amyloid precursor)
Omim ID	127750 163890 168601 605543
Gene Ontology	Hyperlink

Gene Summary

Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer's disease. Four alternatively spliced transcripts encoding two different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000161559|OTTHUMP00000161561|alpha synuclein|alpha-synuclein|alpha-synuclein, isoform NACP140|non A-beta component of AD amyloid|non A4 component of amyloid

Publication Reference

- [Neurons expressing the highest levels of gamma-synuclein are unaffected by targeted inactivation of the gene.](#)

Ninkina N, Papachroni K, Robertson DC, Schmidt O, Delaney L, O'Neill F, Court F, Rosenthal A, Fleetwood-Walker SM, Davies AM, Buchman VL.

Molecular and Cellular Biology 2003 Nov; 23(22):8233.

Application: NB, Mouse, Neurons

- [Nigrostriatal alpha-synucleinopathy induced by viral vector-mediated overexpression of human alpha-synuclein: a new primate model of Parkinson's disease.](#)

Kirik D, Annett LE, Burger C, Muzyczka N, Mandel RJ, Bjorklund A.

PNAS 2003 Mar; 100(5):2884.

Application: IHC, Monkey, Brains

- [Effect of mutant alpha-synuclein on dopamine homeostasis in a new human mesencephalic cell line.](#)

Lotharius J, Barg S, Wiekop P, Lundberg C, Raymon HK, Brundin P.

The Journal of Biological Chemistry 2002 Oct; 277(41):38884.

Application: WB-Ce, WB-Tr, Human, MESC2.10 cells

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Association Learning](#)
- [Attention](#)

- [Cardiovascular Diseases](#)
- [Chromosome Breakage](#)
- [Cognition Disorders](#)
- [Color Perception](#)
- [Cystic fibrosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
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