

Rabbit anti-Human alpha-Synuclein Monoclonal Antibody | anti-SNCA antibody

Recombinant Anti-alpha-Synuclein Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255515	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

alpha-Synuclein; Monoclonal Antibody; Recombinant Anti-alpha-Synuclein Antibody; Rabbit Monoclonal; SNCA/alpha-Synuclein Antibody; Rabbit MAb; synuclein; alpha (non A4 component of amyloid precursor); Anti-NACP Antibody; Anti-PARK1 Antibody; Anti-PARK4 Antibody; Anti-PD1 Antibody; anti-SNCA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	017
Specificity	Human SNCA/alpha-Synuclein
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SNCA antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human SNCA/alpha-Synuclein protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human SNCA/alpha-Synuclein (rh SNCA/alpha-Synuclein).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

SNCA was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate; Lane B: 0.5 mg 293T Whole Cell Lysate; 2 uL anti-SNCA rabbit monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-SNCA rabbit monoclonal antibody, at 1:200 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 16 kDa. Observed band size: 18 kDa.



WB (Western Blot)

Anti-SNCA rabbit monoclonal antibody at 1:500 dilution. Lane A: 293T Whole Cell Lysate; Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 16 kDa. Observed band size: 18 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SNCA antibody	Alpha-Synuclein (alpha-Syn), also known as NACP or SNCA, exists as at least two structural isoforms: one is helix-rich, membrane-bound form that both the N-and C-terminal regions of alpha-synuclein are tightly associated with membranes and the other is disordered, cytosolic form. Synuclein is found predominantly in the presynaptic termini, in both free or membrane-bound forms. SNCA is extensively localized in nucleus of neurons. It has been shown that alpha-Synuclein was highly expressed in the mitochondria in olfactory bulb, hippocampus, striatum, and thalamus, where the cytosolic alpha-Synuclein was also rich. Normally the unstructured soluble type of alpha-synuclein can aggregate to form insoluble fibrils in pathological conditions characterized by Lewy bodies, such as Parkinson's disease, dementia with Lewy bodies and multiple system atrophy. SNCA abnormality and mitochondrial deficiency are two major changes in the brain of patients with Parkinson's disease (PD). Besides, alpha-synuclein is an abundant component of Lewy bodies in sporadic Parkinson's disease and diffuse Lewy body disease.
References	Arima K, et al. (1998) Immunoelectron-microscopic demonstration of NACP/alpha-synuclein-epitopes on the filamentous component of Lewy bodies in Parkinson's disease and in dementia with Lewy bodies. Brain Res. 808 (1): 93-100. Arima K, et al. (1998) NACP/alpha-synuclein immunoreactivity in fibrillary components of neuronal and oligodendroglial cytoplasmic inclusions in the pontine nuclei in multiple system atrophy. Acta Neuropathol. 96 (5): 439-44. Lee HJ, et al. (2001) Membrane-bound alpha-Synuclein Has a High Aggregation Propensity and the Ability to Seed the Aggregation of the Cytosolic Form. The Journal of Biological Chemistry. 277: 671-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507109
NCBI GeneID	6622
NCBI Accession #	NP_000336.1
NCBI GenBank Nucleotide #	NM_000345.3
UniProt Accession #	P37840; Q13701; Q4JHI3; Q6IAU6; A8K2A4
Molecular Weight	14,460 Da
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; synuclein alpha-140; non A-beta component of AD amyloid
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/alpha-synuclein-antibody-clone-017-immunoprecipitation-western-blot-elisa/255515>