

Mouse Alpha, Beta - Synuclein Monoclonal Antibody | anti-SNCA antibody

Alpha, Beta - Synuclein antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47995	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

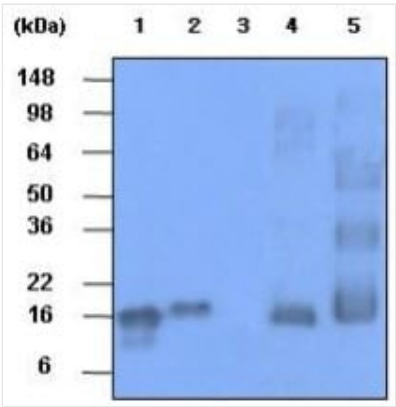
PRODUCT SYNONYMS

Alpha; Beta - Synuclein; Monoclonal Antibody; Beta - Synuclein antibody; a; b - synuclein; Alpha synuclein; Beta synuclein; NACP; Non A beta component of AD amyloid; Non A4 component of amyloid precursor; PARK1; PARK4; Parkinson disease familial 1; PD1; SNCA; SNCB; SNCB protein; Synuclein alpha; Synuclein beta; ; anti-SNCA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	3B6
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	140
Applicable Applications for anti-SNCA antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human a-synuclein (119-140aa) purified from E. coli
Clone Note	Anti-human alpha, beta-synuclein mAb, clone 3B6, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human alpha-synuclein protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)
The recombinant human synuclein family (alpha-,beta- and gamma-) (each 20ng), Mouse brain and Rat brain (30ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human alpha,beta-synuclein (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-SNCA antibody	alpha-synuclein (amino acids 119-140), an acidic neuronal protein of 140 amino acids, is extremely heat-resistant and is natively unfolded with an extended structure primarily composed of random coils. alpha-synuclein has been suggested to be implicated in the pathogenesis of Parkinson's disease and related neurodegenerative disorders, and more recently, to be an important regulatory component of vesicular transport in neuronal cells. Specially, the non-Abeta component of amyloid plaques is a highly amyloidogenic peptide consisting of 35 amino acids which was first identified associated with senile plaques in the Alzheimer's disease brain.
Product Categories/Family for anti-SNCA antibody	Neuroscience
References	Jakes R., et al. (1994) FEBS lett. 345, 27-32; Ueda K., et al. (1993) Proc. Natl.Acad. Sci. USA 90, 11282-11286; Kim J. (1997) Molecules and Cells 7, 78-83; Paik S. R., et al. (1997) Arch. Biochem. Biophys. 344, 325-334.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507109
NCBI GeneID	6622
NCBI Accession #	NP_000336; NP_003076
NCBI GenBank Nucleotide #	NM_000345.3
UniProt Accession #	P37840; Q13701; Q4JHI3; Q6IAU6; A8K2A4
Molecular Weight	13,109 Da
NCBI Official Full Name	alpha-synuclein isoform NACP140
NCBI Official Synonym Full Names	synuclein alpha
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

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://stage.aaabiotech.com/monoclonal/alpha-beta-synuclein-antibody-clone-3b6-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/47995>