

Rabbit alpha-Synuclein Polyclonal Antibody | anti-SNCA antibody

alpha-Synuclein (Phospho-Tyr133) Antibody

CATALOG # AAA303930	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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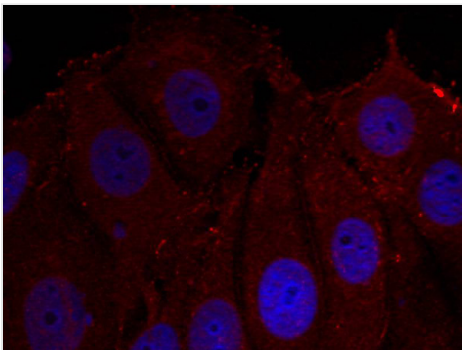
PRODUCT SYNONYMS

alpha-Synuclein; Polyclonal Antibody; alpha-Synuclein (Phospho-Tyr133) Antibody; a-Synuclein (Phospho-Tyr133) Antibody; NACP; SYN; SYUA; alpha-synuclein; anti-SNCA antibody

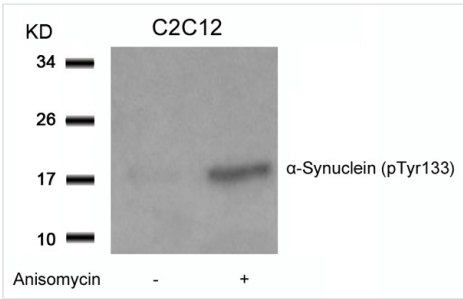
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of a-Synuclein only when phosphorylated at tyrosine 133.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	140
Applicable Applications for anti-SNCA antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 133 (E-G-Y(p)-Q-D) derived from Human a-Synuclein.
Modification	Phospho-Tyr133
Target Name	a-Synuclein
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of methanol-fixed HeLa cells using α-Synuclein(Phospho-Tyr133) Antibody.



WB (Western Blot)
Western blot analysis of extracts from C2C12 cells untreated or treated with Anisomycin using α-Synuclein(Phospho-Tyr133) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SNCA antibody	SnCA is a member of the synuclein family of structurally related proteins that are prominently expressed in the central nervous system, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and SnCA and SnC-Beta inhibit phospholipase D2 selectively. SnCA may serve to integrate presynaptic signaling and membrane trafficking. Aggregated SnCA proteins form brain lesions that are hallmarks of neurodegenerative synucleinopathies. Defects in SnCA play a role in the pathogenesis of Parkinson disease. SnCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer disease. SnCA shares 95% sequence homology with rat SnCA. Rat SnCA is specifically expressed in brain and is associated with synaptosomal membranes in neurons
Product Categories/Family for anti-SNCA antibody	Phospho-specific Ab

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	13,109 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
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://stage.aaabiotech.com/polyclonal/alpha-synuclein-antibody-immunofluorescence-western-blot-elisa/303930>