

Rabbit alpha+beta Synuclein Monoclonal Antibody | anti-SNCA antibody

alpha+beta Synuclein Antibody

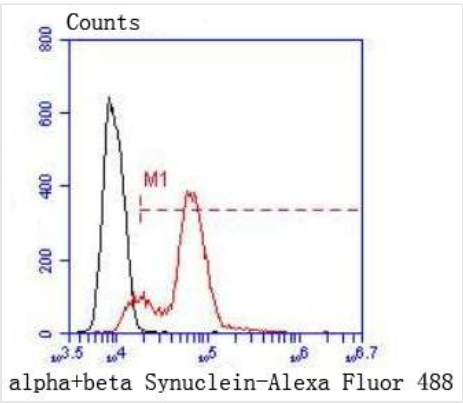
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30106	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

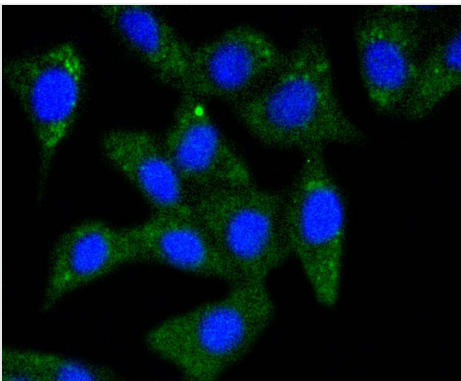
alpha+beta Synuclein; Monoclonal Antibody; alpha+beta Synuclein Antibody; Alpha synuclein antibody; Beta synuclein antibody; NACP antibody; Non A beta component of AD amyloid antibody; PARK1 antibody; PARK4 antibody; PD1 antibody; SNCA antibody; SNCB antibody; Synuclein alpha antibody; Synuclein beta antibody; anti-SNCA antibody

PRODUCT SPECIFICATIONS

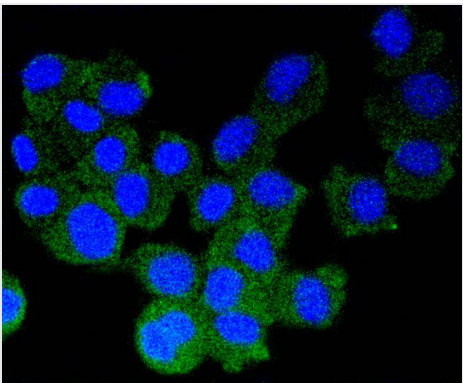
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	ST05-21
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SNCA antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



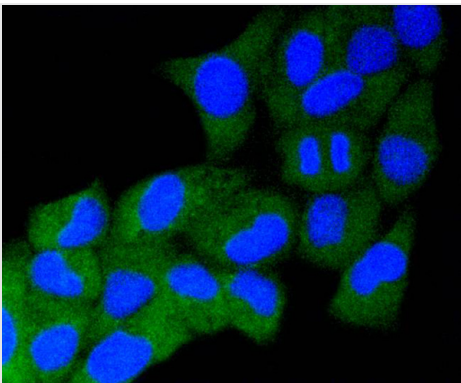
FCM (Flow Cytometry)
Flow cytometric analysis of Hela cells with alpha+beta Synuclein antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



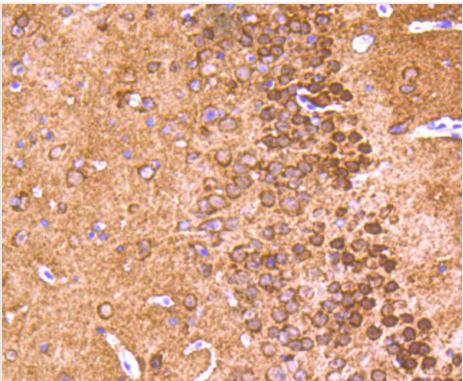
ICC (Immunocytochemistry)
ICC staining alpha+beta Synuclein in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



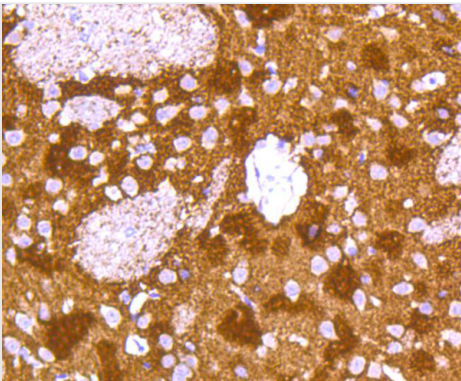
ICC (Immunocytochemistry)
ICC staining alpha+beta Synuclein in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining alpha+beta Synuclein in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-alpha+beta Synuclein antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-alpha+beta Synuclein antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-SNCA antibody	The synucleins, including alpha-synuclein (also designated NACP for nonamyloid component precursor), beta-synuclein (also designated PNP 14 for phospho-neuroprotein 14) and gamma-synuclein (also designated persyn or BCSG1 for breast cancer-specific gene 1) are presynaptic proteins abundant in neurons. Synucleins are predominantly expressed in the brain and are speculated to be involved in synaptic regulation and neuronal plasticity. alpha-Synuclein, identified as a component of Alzheimers disease amyloid plaques, is localized to neuronal cell bodies and synapses. Coordinate expression of alpha-synuclein and beta-synuclein may be important during hematopoietic cell differentiation. A mutant form of alpha-synuclein is found in patients with early onset Parkinsons disease. gamma-Synuclein is associated with axonal pathology in Parkinsons disease.
Product Categories/Family for anti-SNCA antibody	Total protein 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	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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/alphabeta-synuclein-antibody-clone-st05-21-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/30106>