

Mouse anti-Human Alpha-synuclein Monoclonal Antibody | anti-SNCA antibody

Alpha-synuclein Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28601	Mouse	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

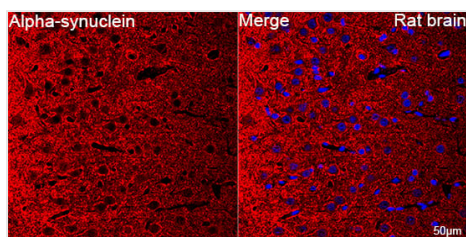
PRODUCT SYNONYMS

Alpha-synuclein; Monoclonal Antibody; Alpha-synuclein Mouse mAb; PD1; NACP; PARK1; PARK4; anti-SNCA antibody

PRODUCT SPECIFICATIONS

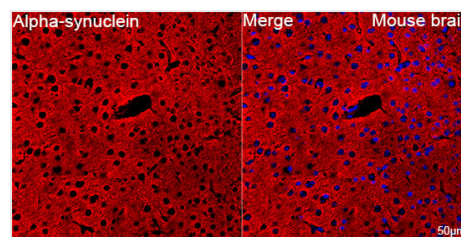
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MDVFMKGLSK AKEGVVAAAE KTKQGVAAEA GKTKEGVLYV GSKTKEGVVH GVATVAEKTQ EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA
Applicable Applications for anti-SNCA antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:2500-1:10000 IHC-P: 1:1000-1:4000 IF/ICC: 1:200-1:800 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-140 of human Alpha-synuclein(NP_000336.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



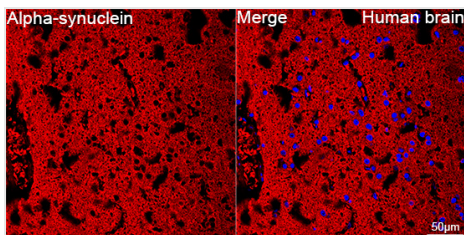
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Rat brain tissue using Alpha-synuclein Mouse mAb (AAA28601, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



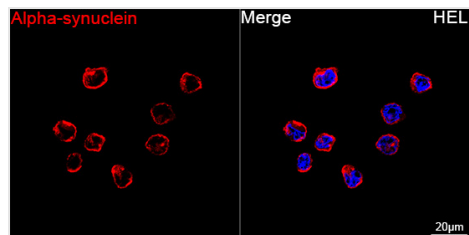
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse brain tissue using Alpha-synuclein Mouse mAb (AAA28601, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



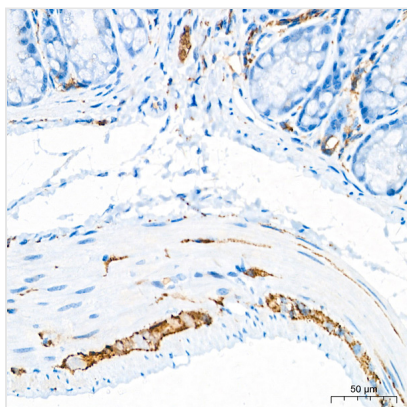
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Human brain tissue using Alpha-synuclein Mouse mAb (AAA28601, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



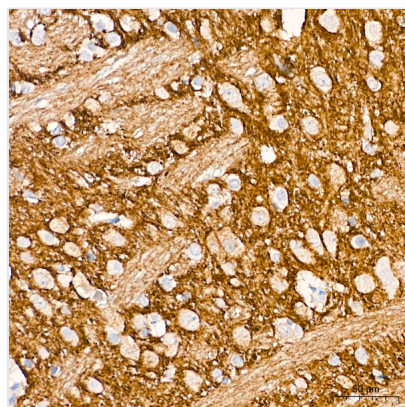
ICC (Immunocytochemistry)

Confocal imaging of HEL cells using Alpha-synuclein Mouse mAb (AAA28601, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Alpha-synuclein Mouse mAb (AAA28601) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Alpha-synuclein Mouse mAb (AAA28601) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-SNCA antibody	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. Alternatively spliced transcripts encoding different isoforms have been identified for this gene.
Product Categories/Family for anti-SNCA antibody	Protein phosphorylation ; Cell Biology Developmental Biology ; Apoptosis ; Neuroscience ; Neurodegenerative Diseases ; Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease ; Dopamine Signaling in Parkinson's Disease ; Neurodegenerative Dise

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	Calculated MW: 14kDa Observed MW: 18kDa
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/alpha-synuclein-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28601>