Leader in Biomolecular Solutions for Life Science

www.abclonal.com

α-Synuclein Rabbit mAb

Catalog No.: A24950 Recombinant

Basic Information

Observed MW
18kDa

Calculated MW
14kDa

Category
Primary antibody

Applications
WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC64511

Background

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.

Recommended Dilutions

WB	1:3500 - 1:7000
IHC-P	1:5000 - 1:20000
IF/ICC	1:200 - 1:800
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
6622

Swiss Prot
P37840

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
PD1; NACP; PARK1; PARK4; α-Synuclein

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

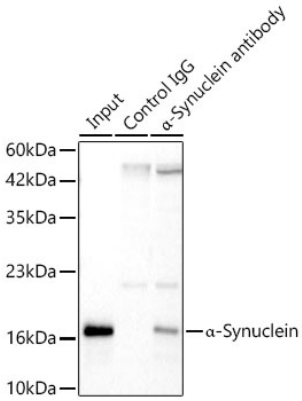
Contact

400-999-6126

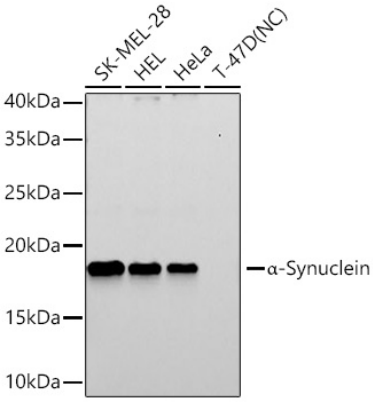
cn.market@abclonal.com.cn

www.abclonal.com.cn

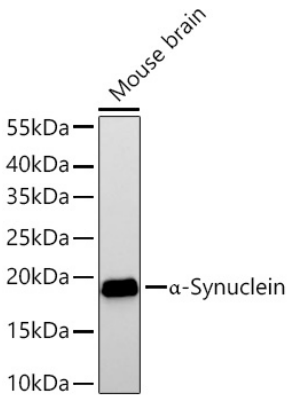
Validation Data



Immunoprecipitation of α-Synuclein in 500 µg extracts from HEL cells using 2 µg α-Synuclein Rabbit mAb (A24950). Western blot analysis was performed using α-Synuclein Rabbit mAb (A24951) at 1:3000 dilution.

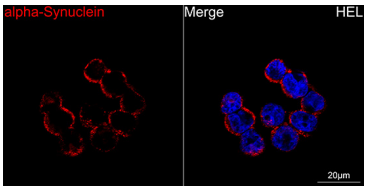


Western blot analysis of various lysates using α-Synuclein Rabbit mAb (A24950) at 1:7000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): T-47D
Exposure time: 90s.

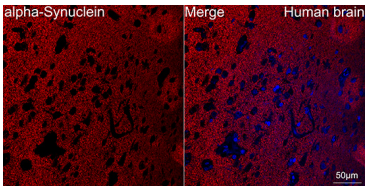


Western blot analysis of lysates from Mouse brain using α-Synuclein Rabbit mAb (A24950) at 1:7000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 15s.

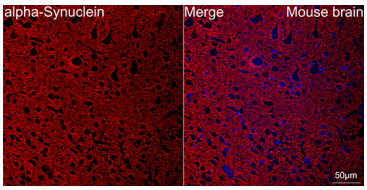
Validation Data



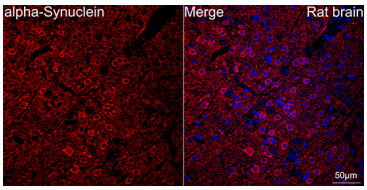
Confocal imaging of HEL cells using α-Synuclein Rabbit mAb (A24950, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



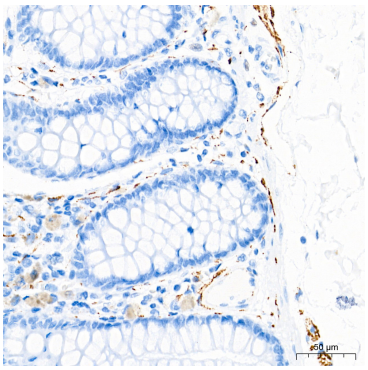
Confocal imaging of paraffin-embedded human brain using α-Synuclein Rabbit mAb (A24950, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



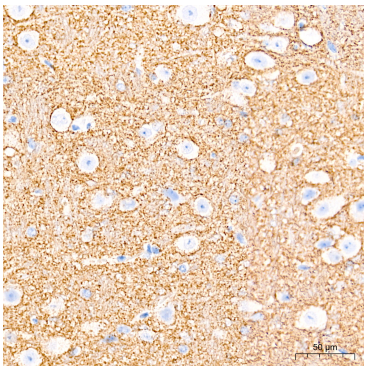
Confocal imaging of paraffin-embedded mouse brain using α-Synuclein Rabbit mAb (A24950, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



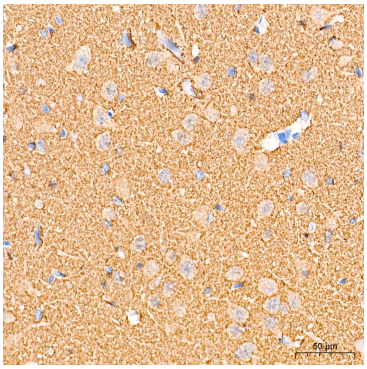
Confocal imaging of paraffin-embedded rat brain using α-Synuclein Rabbit mAb (A24950, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.Perform microwave antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



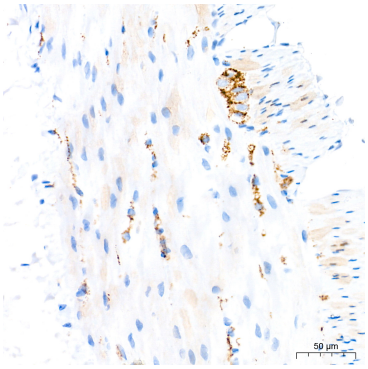
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using α-Synuclein Rabbit mAb (A24950) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



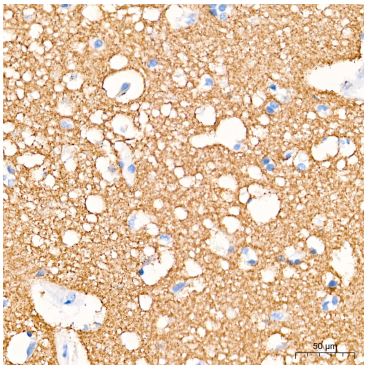
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using α-Synuclein Rabbit mAb (A24950) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using α-Synuclein Rabbit mAb (A24950) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using α-Synuclein Rabbit mAb (A24950) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human brain tissue using α-Synuclein Rabbit mAb (A24950) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.