

α -Synuclein Rabbit mAb

Catalog No.: A24951 **Recombinant**

Basic Information

Observed MW

18kDa/18kDa

Calculated MW

14kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC, IP

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC64510

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 1:2000 - 1:8000**IF/ICC** 1:50 - 1:200**IP** 0.5 μ g-4 μ g antibody for
400 μ g-800 μ g extracts of
whole cells

Immunogen Information

Gene ID

6622

Swiss Prot

P37840

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-140 of human α -Synuclein(NP_000336.1).

SynonymsPD1; NACP; PARK1; PARK4; α -Synuclein

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

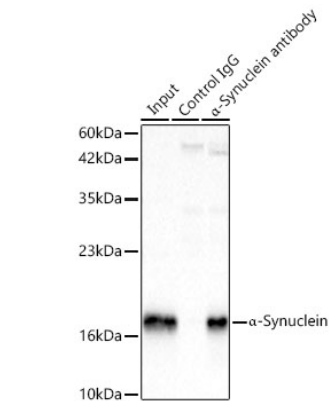
Affinity purification

Storage

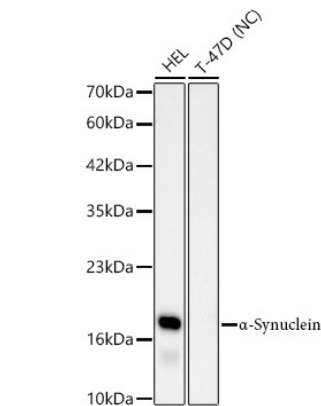
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

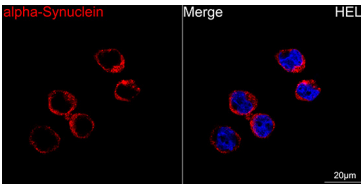
Validation Data



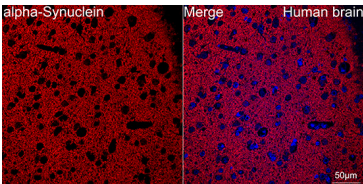
Immunoprecipitation of α-Synuclein in 600 μg extracts from Mouse brain using 3 μg α-Synuclein Rabbit mAb (A24951). Western blot analysis was performed using α-Synuclein Rabbit mAb (A24951) at 1:1000 dilution.



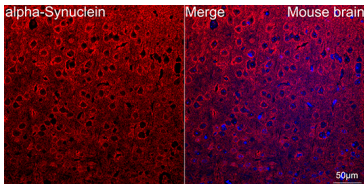
Western blot analysis of various lysates using α-Synuclein Rabbit mAb (A24951) at 1:7000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): T-47D. Exposure time: 90s.



Confocal imaging of HEL cells using α-Synuclein Rabbit mAb (A24951, 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 (A24951, 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 (A24951, 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.