

# Anti-Monkey $\alpha$ -Synuclein mAb

Catalog No.: A28877

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

14 kDa

### Category

Primary antibody

### Applications

mIHC

### Cross-Reactivity

Cynomolgus monkey

### CloneNo number

ARC5401-01

## 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

mIHC 1:5000-1:20000

## 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

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

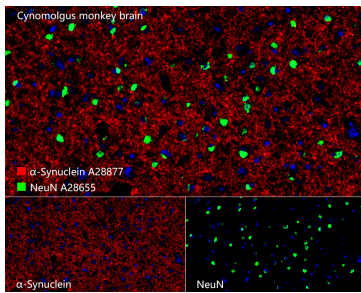
### Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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The multiplex IHC analysis on paraffin-embedded Cynomolgus monkey brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Anti-Monkey NeuN mAb (A28655, 1:2000) with TSA-TYR-520 (Green), and Anti-Monkey  $\alpha$ -Synuclein mAb (A28877, 1:10000) with TSA-TYR-570 (Red). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.