

# Phospho- $\alpha$ -Synuclein-Y136 Rabbit pAb

Catalog No.: AP0254

## Basic Information

### Observed MW

18kDa

### Calculated MW

14kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## 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 1:500 - 1:1000

## Immunogen Information

### Gene ID

6622

### Swiss Prot

P37840

### Immunogen

A synthetic phosphorylated peptide around Y136 of human alpha-Synuclein (NP\_000336.1).

### Synonyms

PD1; NACP; PARK1; PARK4; Phospho- $\alpha$ -Synuclein-Y136

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

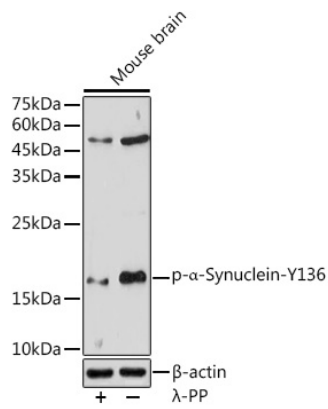
### Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of Mouse brain, using Phospho- $\alpha$ -Synuclein-Y136 antibody (AP0254) at 1:1000 dilution. Mouse brain were treated by  $\lambda$ -PP mixed solution (1ul) at 30°C for 30 minutes.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.