## Phospho- $\alpha$-Synuclein-Y133 Rabbit pAb

Catalog No.: AP0451

## Basic Information

Observed MW
20kDa
Calculated MW
14kDa
Category
Primary antibody

## Applications

ELISA,WB

Cross-Reactivity
Human, Mouse

## Background

Alpha-synuclein is a member of the synuclein family, which also includes beta- and gammasynuclein. 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 1:500-1:2000

## Contact

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## Immunogen Information

| Gene ID | Swiss Prot |
| :--- | :--- |
| 6622 | P37840 |

## Immunogen

A phospho specific peptide corresponding to residues surrounding Y133 of human alphaSynuclein

## Synonyms

PD1; NACP; PARK1; PARK4; Phospho- $\alpha$-Synuclein-Y133

## Product Information

| Source | Isotype | Purification |
| :--- | :--- | :--- |
| Rabbit | $\operatorname{lgG}$ | Affinity purification |

## Storage

Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.
Buffer: PBS with $0.02 \%$ sodium azide, $50 \%$ glycerol,pH7.3.


Western blot analysis of various lysates using Phospho- $\alpha$-Synuclein-Y133 pAb (AP0451) at 1:1000 dilution.Jurkat and $\mathrm{NIH} / 3 \mathrm{~T} 3$ cells were treated by Pervanadate ( 1 mM ) at $37^{\circ} \mathrm{C}$ for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: $25 \mu \mathrm{~g}$ per lane.
Blocking buffer: 3\% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.

