

# Phospho-GSK3 $\beta$ -Y216 + GSK3 $\alpha$ -Y279 Rabbit mAb

Catalog No.: AP1530 **Recombinant**

## Basic Information

### Observed MW

46kDa/51kDa

### Calculated MW

51kDa/46kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Mouse

### CloneNo number

ARC68446

## Background

The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:1000 - 1:4000

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

2931/2932

### Swiss Prot

P49840/P49841

### Immunogen

A synthetic phosphorylated peptide around Y216&Y279 of human GSK3 $\beta$ /GSK3 $\alpha$  (NP\_063937.2).

### Synonyms

GSK3B; GSK 3 beta; GSK3A; GSK 3 alpha; Phospho-GSK3 $\alpha$ -S21+GSK3 $\beta$ -S9

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

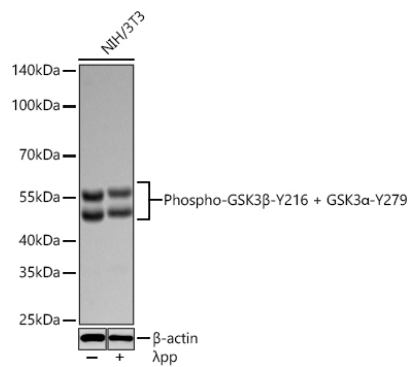
### Storage

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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Western blot analysis of lysates from NIH/3T3 cells using Phospho-GSK3 $\beta$ -Y216 + GSK3 $\alpha$ -Y279 Rabbit mAb (AP1530) at 1:1000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated by  $\lambda$ -PP mixed solution (1 $\mu$ L) at 30°C for 30 minutes.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30  $\mu$ g per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20s.