

# Phospho-GSK3 $\alpha$ -S21+GSK3 $\beta$ -S9 Rabbit mAb

Catalog No.: AP1341 **Recombinant** **2 Publications**

## Basic Information

### Observed MW

51kDa/46kDa

### Calculated MW

51kDa/46kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Mouse

### CloneNo number

ARC54771

## 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** 1:500 - 1:1000

**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

Synthetic peptide. This information is considered to be commercially sensitive.

### 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

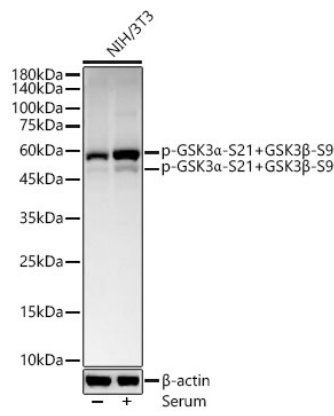
Affinity purification

### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-GSK3α-S21+GSK3β-S9 Rabbit mAb (AP1341) at 1:800 dilution. NIH/3T3 cells were treated with 10% FBS at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.