

AP0512

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

Catalog No.: AP0512

## Basic Information

### Observed MW

50kDa

### Calculated MW

47kDa

### Category

Polyclonal Antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human

## 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 - 1:2000

## Immunogen Information

### Gene ID

2931/2932

### Swiss Prot

P49841

### Immunogen

A synthetic phosphorylated peptide around Y216 of human GSK3 $\beta$  (NP\_001139628).

### Synonyms

GSK3B; gsk-3 $\beta$ ; Phospho-GSK3 $\beta$ -Y216 + GSK3 $\alpha$ -Y279

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

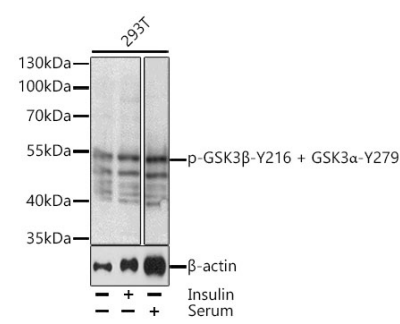
Affinity purification

### Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of 293T cells, using Phospho-GSK3β-Y216 + GSK3α-Y279 antibody (AP0512) at 1:1000 dilution. 293T cells were treated by Insulin (100nM) for 10 minutes or treated by 10% FBS for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25μg per lane.  
Blocking buffer: 3% BSA.