Phospho-GSK3β-Y216 + GSK3α-Y279 Rabbit pAb

Catalog NO.: AP0512

Basic Information

Observed MW
50kDa

Calculated MW
47kDa

Category
Phosphorylated Antibodies

Applications
WB, ELISA

Cross-Reactivity
Human

Conjugation
Unconjugated

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

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
2931/2932

Swiss Prot
P49841

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

Synonyms
GSK3B; gsk-3β; Phospho-GSK3β-Y216 + GSK3α-Y279

Contact

Product Information

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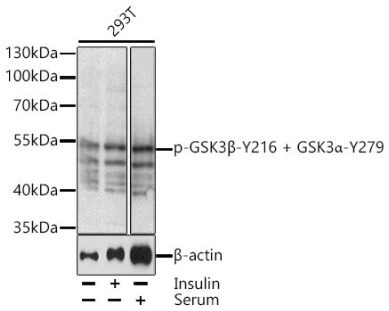
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from 293T cells, using Phospho-GSK3β-Y216 + GSK3α-Y279 Rabbit pAb (AP0512) at 1:1000 dilution. 293T cells were treated with Insulin (100nM) for 10 minutes or treated with 10% FBS 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% BSA.

For research use only. Not for therapeutic or diagnostic purposes.

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