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Phospho-GSK3β-Y216 + GSK3α-Y279 Rabbit pAb

Catalog No.: AP0512

Basic Information

Observed MW
50kDa

Calculated MW
47kDa

Category
Primary antibody

Applications
ELISA,WB

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 GSK3β (NP_001139628).

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

Contact

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Product Information

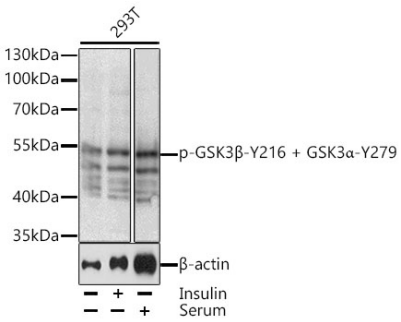
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

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.