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Phospho-GSK3β-S9 Rabbit pAb

Catalog No.: AP0039SP 60 Publications

Basic Information

Observed MW
46 kDa

Calculated MW
47 kDa/48 kDa

Category
Primary antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human, Mouse, Rat

Background

The protein encoded by this gene is a serine-threonine kinase belonging to the glycogen synthase kinase subfamily. It is a negative regulator of glucose homeostasis and is involved in energy metabolism, inflammation, ER-stress, mitochondrial dysfunction, and apoptotic pathways. Defects in this gene have been associated with Parkinson disease and Alzheimer disease.

Recommended Dilutions

WB	1:3000 - 1:10000
IF/ICC	1:200 - 1:1200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
2932

Swiss Prot
P49841

Immunogen
This information is considered to be commercially sensitive.

Synonyms
GSK3B; gsk-3β; Phospho-GSK3β-S9

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.
May contain 0.05% BSA as specified on the Certificate of Analysis.

Contact

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Validation Data

Western blot analysis of lysates from HeLa cells using Phospho-GSK3β-S9 Rabbit pAb (AP0039SP) at 1:5000 dilution incubated overnight at 4℃. HeLa cells were treated with CA (100 nM) at 37℃ for 1 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.

Western blot analysis of lysates from NIH/3T3 cells using Phospho-GSK3β-S9 Rabbit pAb (AP0039SP) at 1:5000 dilution incubated overnight at 4℃. NIH/3T3 cells were treated with OA (200 nM) at 37℃ for 1 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.

Confocal imaging of NIH/3T3 cells (treated with OA) and NIH/3T3 cells (untreated) using Phospho-GSK3β-S9 Rabbit pAb (AP0039SP, dilution 1:1000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.