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Phospho-GSK3α-S21 Rabbit pAb

Catalog No.: AP0582 **1 Publications**

Basic Information

Observed MW
51kDa

Calculated MW
51kDa

Category
Primary antibody

Applications
WB,IP,ELISA

Cross-Reactivity
Human

Background

This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease.

Recommended Dilutions

WB	1:500 - 1:2000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
2931

Swiss Prot
P49840

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

Synonyms
GSK3 alpha; GSK3A; Phospho-GSK3α-S21

Contact

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Product Information

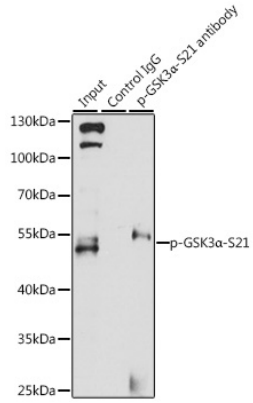
Source
Rabbit

Isotype
IgG

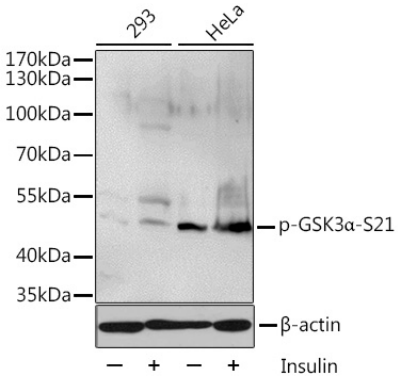
Purification
Affinity purification

Storage
Store at -20℃

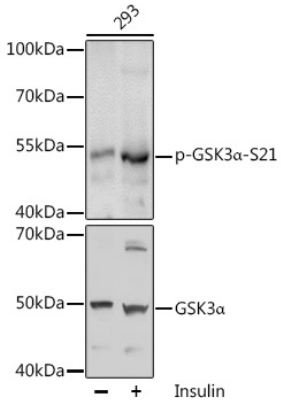
Validation Data



Immunoprecipitation analysis of 200 µg extracts of 293T cells, using 3 µg Phospho-GSK3α-S21 pAb (AP0582). Western blot was performed from the immunoprecipitate using Phospho-GSK3α-S21 pAb (AP0582) at a dilution of 1:1000. 293T cells were treated with Insulin (100 nM) at 37℃ for 10 minutes after serum-starvation overnight.



Western blot analysis of lysates from 293 and HeLa cells, using Phospho-GSK3α-S21 Rabbit pAb (AP0582) at 1:1000 dilution. 293 cells were treated with Insulin (100nM) for 10 minutes after serum-starvation overnight. HeLa cells were treated with Insulin (0.01U/mL) for 15 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.



Western blot analysis of lysates from 293 cells, using Phospho-GSK3α-S21 Rabbit pAb (AP0582) at 1:1000 dilution or GSK3α antibody (A0645). 293 cells were treated with Insulin (100nM) for 10 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.