

Phospho-GSK3 α -S21 Rabbit pAb

Catalog No.: AP0582

1 Publications

Basic Information

Observed MW

51kDa

Calculated MW

51kDa

Category

Primary antibody

Applications

ELISA, WB, IP

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 0.5 μ g-4 μ g antibody for
200 μ g-400 μ g extracts of
whole cells

Immunogen Information

Gene ID

2931

Swiss Prot

P49840

Immunogen

A synthetic phosphorylated peptide around S21 of human GSK3 α (NP_063937.2).

Synonyms

GSK3 alpha; GSK3A; Phospho-GSK3 α -S21

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

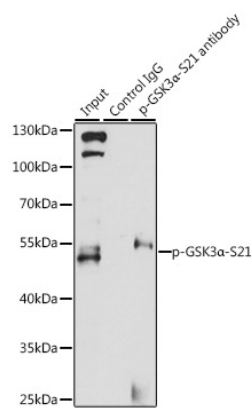
Affinity purification

Storage

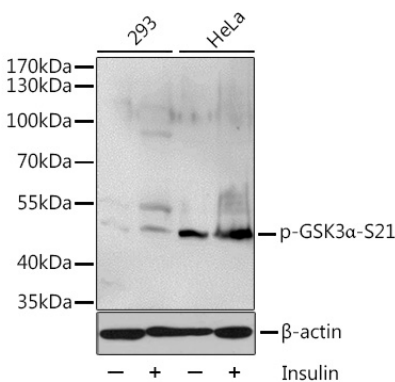
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

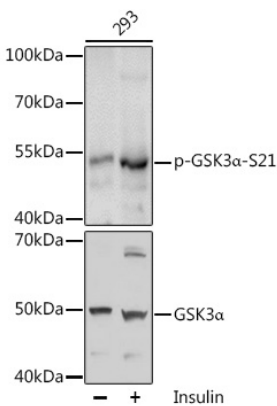
Validation Data



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 by Insulin (100 nM) at 37°C 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 by Insulin (100nM) for 10 minutes after serum-starvation overnight. HeLa cells were treated by Insulin (0.01U/mL) for 15 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.



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 by Insulin (100nM) for 10 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.