

Phospho-GSK3Alpha-S21 Rabbit Polyclonal Antibody

CABP0582



Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

51kDa

Calculated MW:

50kDa

Applications:

WB IP

Reactivity:

Human

Protein 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.

Immunogen information

Gene ID:

2931

Uniprot

P49840

Synonyms:

GSK3 alpha; GSK3A

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IP 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

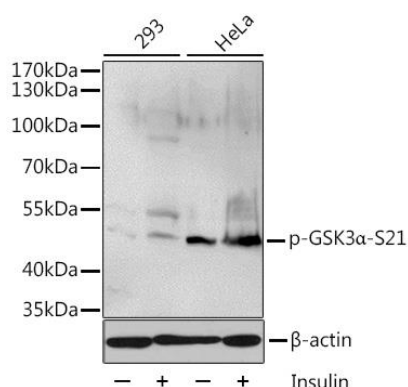
Immunogen:

A synthetic phosphorylated peptide around S21 of human GSK3Alpha (NP_063937.2).

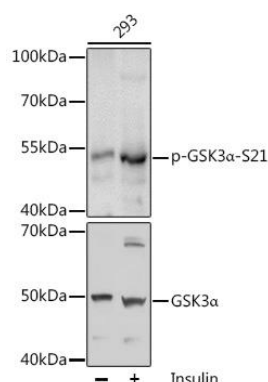
Storage:

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

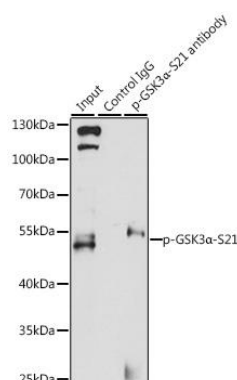
Product Images



Western blot analysis of extracts of 293 and HeLa cells, using Phospho-GSK3α-S21 antibody (CABP0582) 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) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.



Western blot analysis of extracts of 293 cells, using Phospho-GSK3α-S21 antibody (CABP0582) at 1:1000 dilution or GSK3α antibody (CAB0645). 293 cells were treated by Insulin (100nM) for 10 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.



Immunoprecipitation analysis of 200ug extracts of 293T cells, using 3 ug Phospho-GSK3α-S21 pAb (CABP0582). Western blot was performed from the immunoprecipitate using Phospho-GSK3b-S21 pAb (CABP0582) at a dilution of 1:1000. 293T cells were treated by Insulin (100 nM) at 37°C for 10 minutes after serum-starvation overnight.