

Phospho-GSK3 β -S9 Rabbit mAb

Catalog No.: AP1088

Recombinant

11 Publications

Basic Information

Observed MW

46kDa

Calculated MW

47kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse

CloneNo number

ARC0069

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 1:500 - 1:2000

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

2932

Swiss Prot

P49841

Immunogen

A synthetic phosphorylated peptide around S9 of human GSK3 beta (P49841).

Synonyms

GSK3B; gsk-3 β ; Phospho-GSK3 β -S9

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

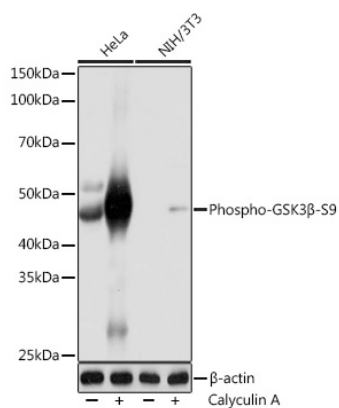
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using Phospho-GSK3 β -S9 Rabbit mAb (AP1088) at 1:1000 dilution. HeLa and NIH/3T3 cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.

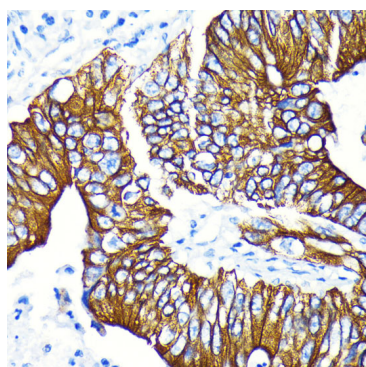
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

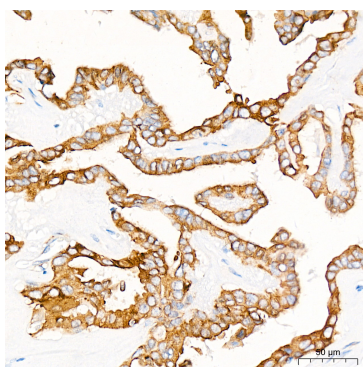
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

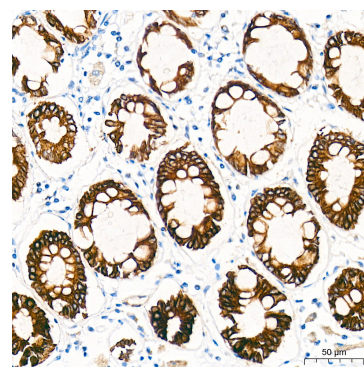
Exposure time: 1s.



Immunohistochemistry analysis of Phospho-GSK3 β -S9 in paraffin-embedded human colon carcinoma using Phospho-GSK3 β -S9 Rabbit mAb (AP1088) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Phospho-GSK3 β -S9 in paraffin-embedded Human thyroid cancer tissue using Phospho-GSK3 β -S9 Rabbit mAb (AP1088) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Phospho-GSK3 β -S9 in paraffin-embedded Human colon tissue using Phospho-GSK3 β -S9 Rabbit mAb (AP1088) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.