Leader in Biomolecular Solutions for Life Science

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Phospho-GSK3β-S9 Antibody Kit (AP0039 & A2081)

Catalog No.: RK05774

Basic Information

Observed MW
46 kDa

Calculated MW
47kDa

Category
Primary antibody

Recommended Dilutions

AP0039 WB	1:100 - 1:500
A2081 WB	1:500 - 1:2000

For more information please visit *www.abclonal.com*

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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.

Component

Catalog No.	Product Name	Applications	Cross-Reactivity
AP0039	Phospho-GSK3β-S9 Rabbit pAb	ELISA,WB,IHC-P,IF/ICC	Human, Mouse, Rat
A2081	GSK3β Rabbit pAb	ELISA,WB,IHC-P,IF/ICC,IP	Human, Mouse, Rat

Immunogen Information

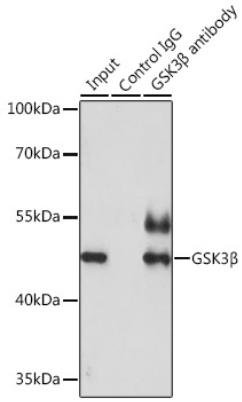
Gene ID
2932

Swiss Prot
P49841

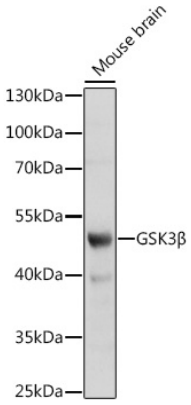
Immunogen
A synthetic phosphorylated peptide around S9 of human GSK3β (NP_001139628.1).
A synthetic peptide corresponding to a sequence within amino acids 350-420 of human GSK3β (NP_001139628.1).

Synonyms
GSK3B;gsk-3β

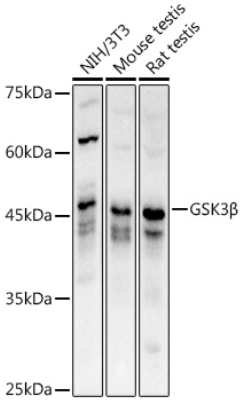
Validation Data



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 3 µg GSK3β antibody (A2081).
Western blot was performed from the immunoprecipitate using GSK3β antibody (A2081) at a dilution of 1:1000.

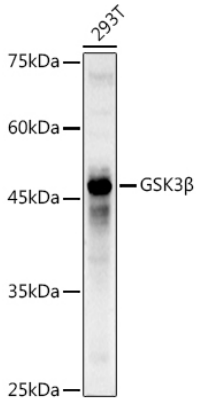


Western blot analysis of lysates from mouse brain, using GSK3β Rabbit pAb (A2081) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

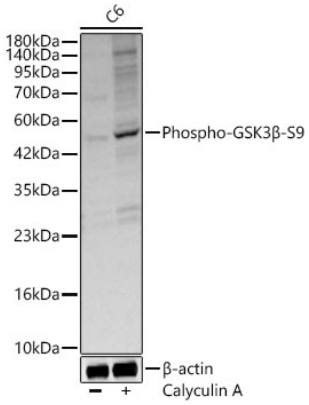


Western blot analysis of various lysates using GSK3β Rabbit pAb (A2081) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.

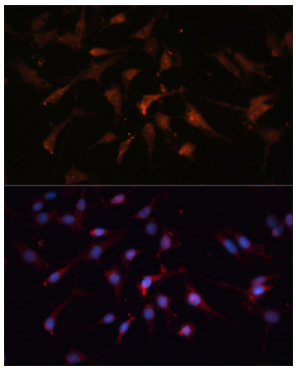
Validation Data



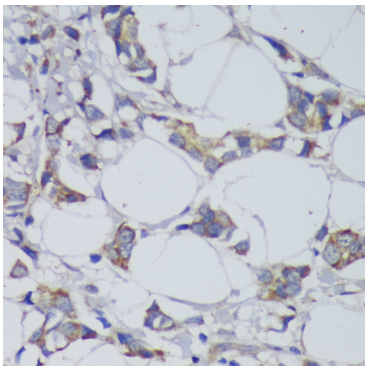
Western blot analysis of lysates from 293T cells, using GSK3β Rabbit pAb (A2081) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



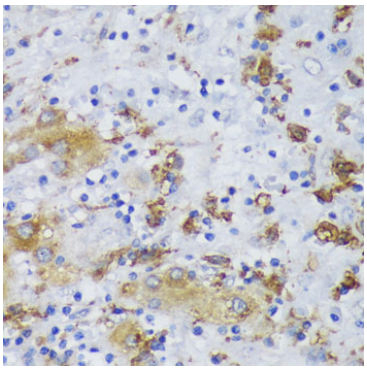
Western blot analysis of lysates from C6 cells using Phospho-GSK3β-S9 Rabbit pAb (AP0039) at 1:500 dilution. C6 cells were treated by Calyculin A (100 nM) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunofluorescence analysis of C6 cells using GSK3β Rabbit pAb (A2081) at dilution of 1:100. Blue: DAPI for nuclear staining.

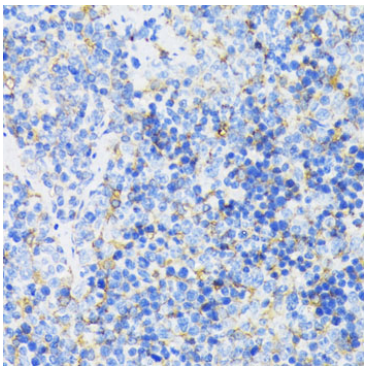


Immunohistochemistry analysis of paraffin-embedded human mammary cancer using GSK3β Rabbit pAb (A2081) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

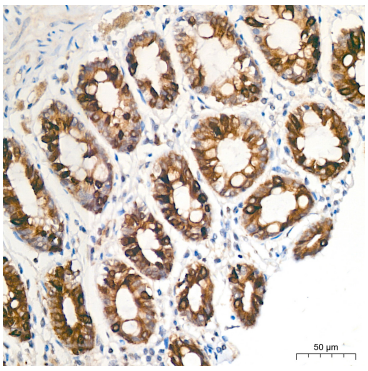


Immunohistochemistry analysis of paraffin-embedded human liver cancer using GSK3β Rabbit pAb (A2081) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

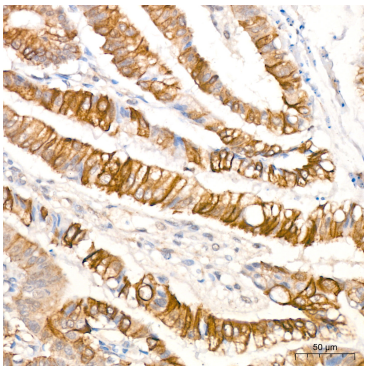
Validation Data



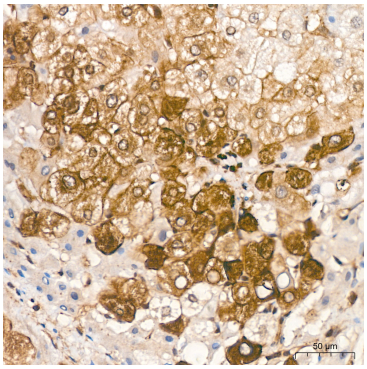
Immunohistochemistry analysis of paraffin-embedded mouse spleen using GSK3β Rabbit pAb (A2081) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



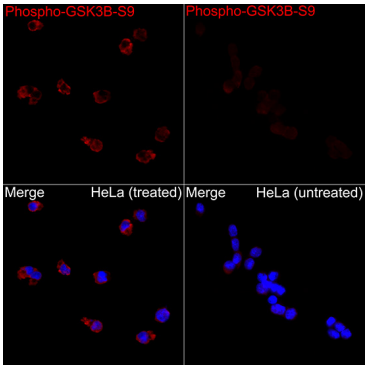
Immunohistochemistry analysis of Phospho-GSK3β-S9 in paraffin-embedded human colon tissue using Phospho-GSK3β-S9 Rabbit pAb (AP0039) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



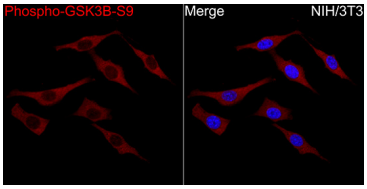
Immunohistochemistry analysis of Phospho-GSK3β-S9 in paraffin-embedded human colon carcinoma tissue using Phospho-GSK3β-S9 Rabbit pAb (AP0039) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



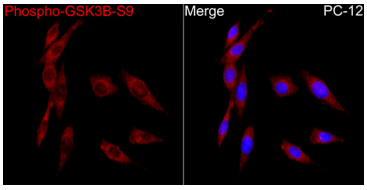
Immunohistochemistry analysis of Phospho-GSK3β-S9 in paraffin-embedded human liver cancer tissue using Phospho-GSK3β-S9 Rabbit pAb (AP0039) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of HeLa CA and HeLa cells using Phospho-GSK3β-S9 Rabbit pAb(AP0039) at a dilution of 1:100 (40x lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Phospho-GSK3β-S9 Rabbit pAb(AP0039) at a dilution of 1:100 (40x lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using Phospho-GSK3β-S9 Rabbit pAb(AP0039) at a dilution of 1:100 (40x lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.