

# GSK3 $\beta$ Rabbit mAb

Catalog No.: A11731 **Recombinant** **17 Publications**

## Basic Information

### Observed MW

42kDa

### Calculated MW

47kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0251

## 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

|               |                |
|---------------|----------------|
| <b>WB</b>     | 1:500 - 1:2000 |
| <b>IHC-P</b>  | 1:100 - 1:500  |
| <b>IF/ICC</b> | 1:50 - 1:200   |

## Immunogen Information

### Gene ID

2932

### Swiss Prot

P49841

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 300-400 of human GSK3 $\beta$  (P49841).

### Synonyms

GSK3B; glycogen synthase kinase-3 beta; GSK3 $\beta$

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

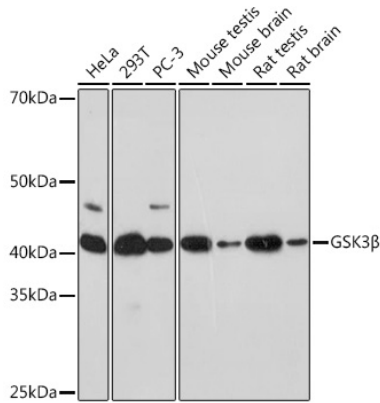
Affinity purification

### Storage

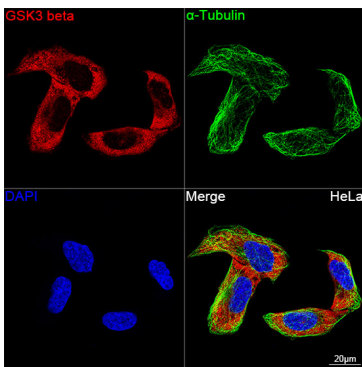
Store at -20°C. Avoid freeze / thaw cycles.

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

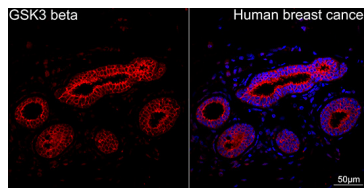
## Validation Data



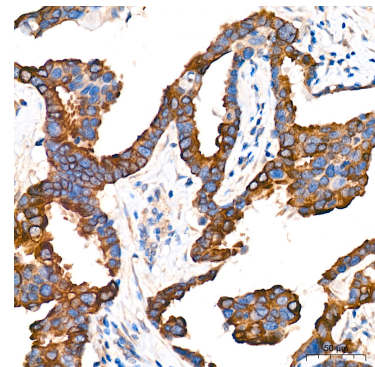
Western blot analysis of various lysates using GSK3 $\beta$  pAb (A11731) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 $\mu$ g per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 3min.



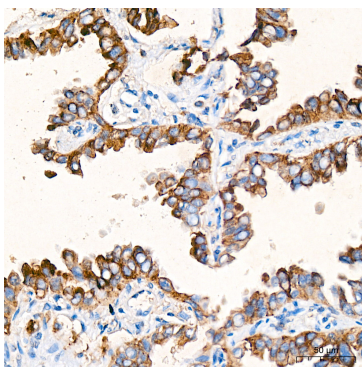
Confocal imaging of HeLa cells using GSK3 $\beta$  Rabbit mAb (A11731, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



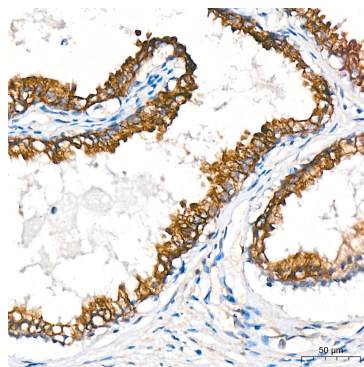
Confocal imaging of paraffin-embedded Human breast cancer using GSK3 $\beta$  Rabbit mAb (A11731, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citRate buffer (pH 6.0) prior to IF staining.



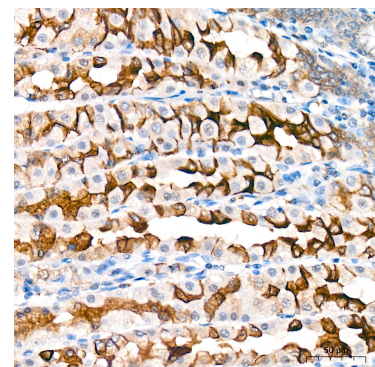
Immunohistochemistry analysis of GSK3 $\beta$  in paraffin-embedded human breast cancer tissue using GSK3 $\beta$  Rabbit mAb (A11731) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of GSK3 $\beta$  in paraffin-embedded Human lung adenocarcinoma tissue using GSK3 $\beta$  Rabbit mAb (A11731) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of GSK3 $\beta$  in paraffin-embedded human prostate tissue using GSK3 $\beta$  Rabbit mAb (A11731) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of GSK3 $\beta$  in paraffin-embedded human stomach tissue using GSK3 $\beta$  Rabbit mAb (A11731) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.