

## GSK3β polyclonal antibody

Catalog: BS80084

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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.

### Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 46 kDa

### Swiss-Prot:

P49841

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500-1:1000

IF: 1:50-1:200

IP: 1:50-1:200

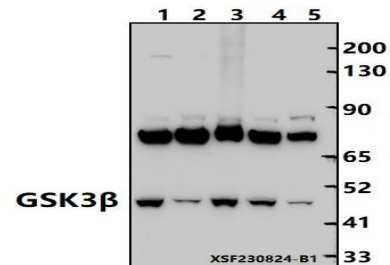
### Storage&Stability:

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

### Specificity:

GSK3β polyclonal antibody detects endogenous levels of GSK3β protein.

### DATA:



Western blot (WB) analysis of GSK3β pAb at 1:500 dilution

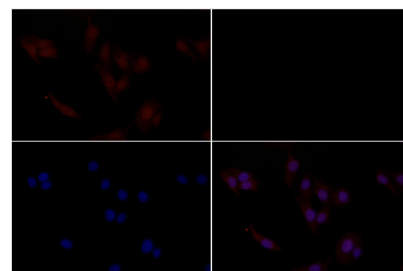
Lane1:PMVEC whole cell lysate(30ug)

Lane2:3T3-L1 whole cell lysate(30ug)

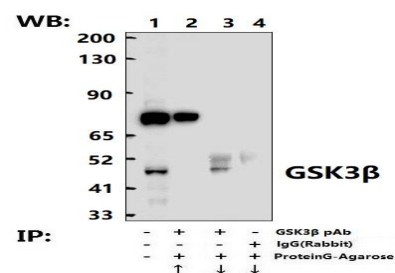
Lane3:U-87MG whole cell lysate(30ug)

Lane4:HepG2 whole cell lysate(30ug)

Lane5:HEK293T whole cell lysate(30ug)



Immunofluorescence analysis of HepG2 cells using GSK3β polyclonal antibody at dilution of 1:200.



Immunoprecipitation of HepG2 cell lysates using GSK3β pAb

(Sepharose Bead Conjugate)#BD0048 (lane 2 and lane 3) and

Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane

4). Lane 1 is 30% input. The western blot was probed using GSK3β

pAb.

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

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