

For Research Use Only

Phospho-GSK3B (Ser9) Monoclonal antibody, PBS Only



Catalog Number: 67558-1-PBS

Basic Information

Catalog Number:

67558-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

NM_002093

GeneID (NCBI):

2932

UNIPROT ID:

P49841

Full Name:

glycogen synthase kinase 3 beta

Observed MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

1C9E2

Applications

Tested Applications:

WB, IHC, IF, ELISA

Species Specificity:

Human

Background Information

Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase. GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation. In skeletal muscle, it contributes to INS regulation of glycogen synthesis by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis. Researches showed that the crystal structure of human GSK3B, expressed in insect cells, at 2.8-angstrom resolution.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only

For technical support and original validation data for this product please contact:

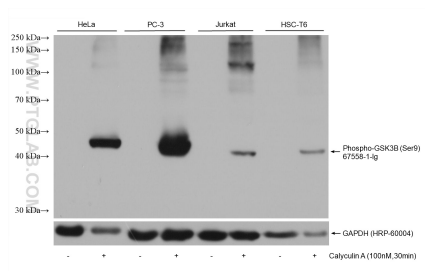
T: 4006900926

E: Proteintech-CN@ptglab.com

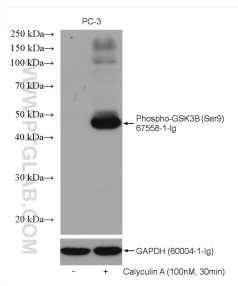
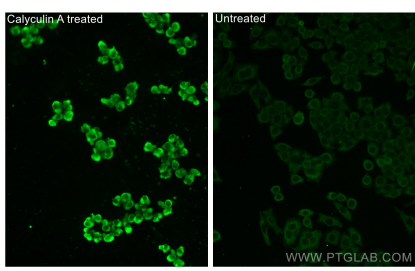
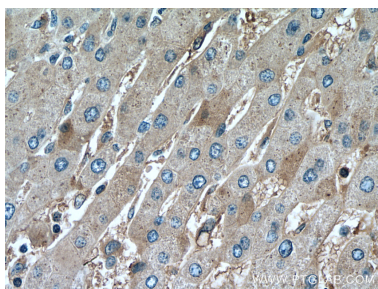
W: ptgcn.com

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Selected Validation Data



Non-treated and Calyculin A treated cell lysates were subjected to SDS PAGE followed by western blot with 67558-1-Ig (Phospho-GSK3B (Ser9) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67558-1-PBS in a different storage buffer formulation.



Non-treated and Calyculin A treated PC-3 were subjected to SDS PAGE followed by western blot with 67558-1-Ig (Phospho-GSK3B (Ser9) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with GAPDH Monoclonal antibody (60004-1-Ig) as loading control. This data was developed using the same antibody clone with 67558-1-PBS in a different storage buffer formulation.