

For Research Use Only

Phospho-GSK3B (Ser9) Monoclonal antibody, PBS Only



Catalog Number: 67558-1-PBS

Basic Information

Catalog Number:

67558-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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, IF, IHC, 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.

Storage Buffer:

PBS only

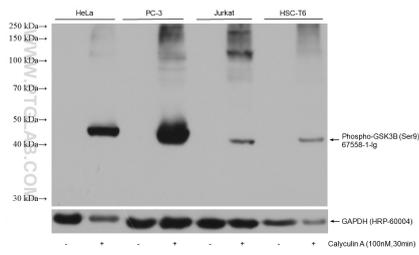
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

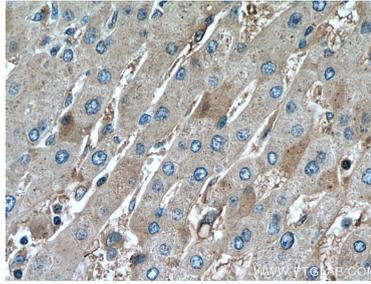
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

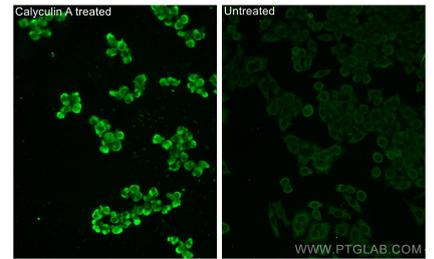
Selected Validation Data



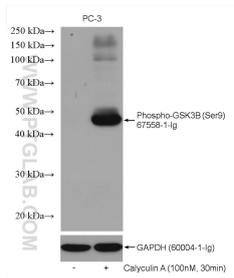
Non-treated and Calyculin A treated cell lysates were subjected to SDS PAGE followed by western blot with 67558-1-Ig (Phospho-GSK3B (Ser9) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody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



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67558-1-Ig (GSK3B-phospho-S9 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67558-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed Calyculin A treated PC-3 cells and non-treated PC-3 cells using Phospho-GSK3B (Ser9) antibody (67558-1-Ig, Clone: 1C9E2) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). 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.