For Research Use Only

CoraLite®594-conjugated Phospho-GSK3B (Ser9) Monoclonal antibody

Catalog Number:CL594-67558

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL594-67558

Size:
100ul , Concentration: 1000 ug/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 G purification

CloneNo.:
1C9E2

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 0.25 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human

Positive Controls:

IF/ICC : Calyculin A treated PC-3 cells,

FC (Intra) : Calyculin A treated PC-3 cells,

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 .

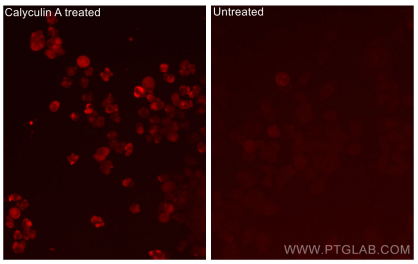
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

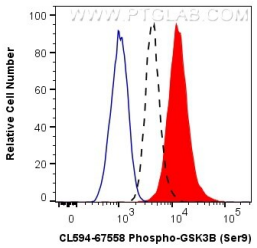
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Calyculin A treated PC-3 cells and non-treated PC-3 cells using CoraLite®594 Phospho-GSK3B (Ser9) antibody (CL594-67558, Clone: 1C9E2) at dilution of 1:100.



1X10^6 Calyculin A treated PC-3 cells were intracellularly stained with 0.25 ug CoraLite®594 Anti-Human Phospho-GSK3B (Ser9) (CL594-67558, Clone:1C9E2) (red), or 0.25 ug CoraLite®594 Mouse IgG1 Isotype Control (MOPC-21) (CL594-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with 80% MeOH.