

À des fins de recherche uniquement

# Anticorps Monoclonal anti-Phospho-GSK3B (Ser9)



Numéro de catalogue: 67558-1-Ig

45 Publications

## Informations de base

<b>Numéro de catalogue:</b> 67558-1-Ig	<b>Numéro d'acquisition GenBank:</b> NM_002093	<b>Méthode de purification:</b> Purification par protéine A
<b>Taille:</b> 100ul , Concentration: 2478 µg/ml by 2932 Nanodrop and 2240 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 2932	<b>CloneNo.:</b> 1C9E2
<b>Hôte:</b> Mouse	<b>Nom complet:</b> glycogen synthase kinase 3 beta	<b>Dilutions recommandées:</b> WB 1:2000-1:10000 IHC 1:150-1:600 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>MW observés:</b> 48 kDa	

## Applications

**Applications testées:**  
IF, IHC, WB, ELISA

**Demandes citées:**  
IF, IHC, WB

**Spécificité de l'espèce:**  
Humain

**Espèces citées:**  
Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (\*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

**Contrôles positifs:**

**WB :** cellules HeLa, cellules HEK-293T traitées à la calyculine A, cellules PC-3 traitées à la calyculine A

**IHC :** tissu de cancer du foie humain,

**IF :** cellules PC-3 traitées à la calyculine A,

## Informations générales

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.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Liping Wang	34559939	IUBMB Life	WB
Meizhong Peng	36237833	Int J Endocrinol	WB
Fei Zhu	34653733	Int Immunopharmacol	WB

## Stockage

**Stockage:**

Stocker à -20°C. Stable pendant un an après l'expédition.

**Tampon de stockage:**

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

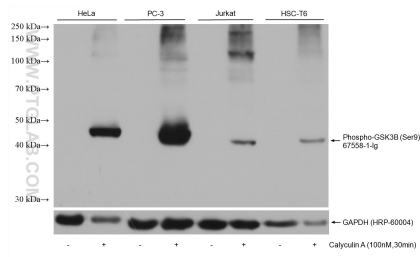
For technical support and original validation data for this product please contact:

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

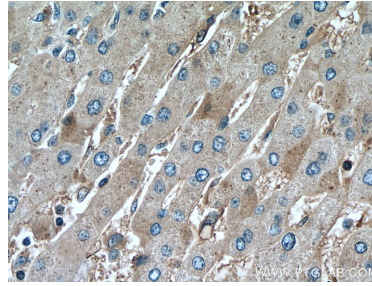
E: proteintech@ptglab.com  
W: ptglab.com

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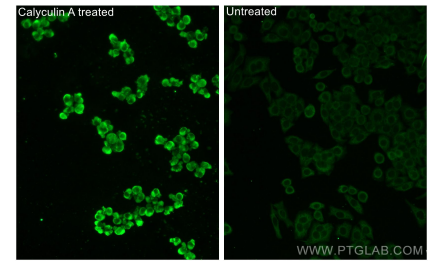
## Données de validation sélectionnées



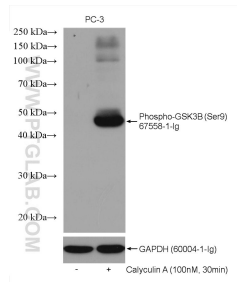
Non-treated and Calyculin A treated cell lysates were subjected to SDS PAGE followed by western blot with 67558-1-Ig (Phospho-GSK3B (Ser9) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



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).



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 CoralLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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.