

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Phospho-EIF2S1 (Ser51)



Numéro de catalogue: 28740-1-AP

12 Publications

Informations de base

Numéro de catalogue:

28740-1-AP

Taille:

100ul, Concentration: 570 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM_004094

Identification du gène (NCBI):

1965

Nom complet:

eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa

MW calculé

36 kDa

MW observés:

36 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:8000

Applications

Applications testées:

WB, ELISA

Demandes citées:

IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, porc, souris

Contrôles positifs:

WB : cellules PC-3 traitées à la calyculine A,

Informations générales

EIF2S1 is one subunit of the translation initiation factor EIF2, which catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form a 43S preinitiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B. This phosphorylation stabilizes the eIF2-GDP-eIF2B complex and inhibits the turnover of eIF2B. Induction of PKR by IFN-γ and TNF-α induces potent phosphorylation of eIF2α at Ser51.

Publications notables

Autrice	Pubmed ID	Journal	Application
Yichao Du	34512864	Oxid Med Cell Longev	WB
Lei Chang	34647267	J Mol Neurosci	WB
Shuai Li	36450665	Cell Prolif	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.

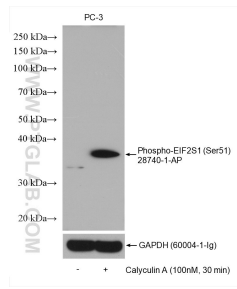
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Données de validation sélectionnées



Non-treated PC-3 and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 28740-1-AP (Phospho-EIF2S1 (Ser51) antibody) at dilution of 1:2000 incubated 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.