

Nur für Forschungszwecke

# Phospho-EIF2S1 (Ser51) Polyklonaler Antikörper



Katalog-Nr.: 28740-1-AP

10 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 28740-1-AP	<b>GenBank-Zugangsnummer:</b> NM_004094	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 100ul, Konzentration: 570 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 1965	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:8000
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 36 kDa	
	<b>Beobachtete Masse:</b> 36 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> WB, ELISA	<b>Positivkontrollen:</b> WB : Mit Calyculin A behandelte PC-3-Zellen,
<b>In Publikationen genannte Anwendungen:</b> IHC, WB	
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Zitierte Arten:</b> Hausschwein, Human, Maus	

## Hintergrundinformationen

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- $\gamma$  and TNF- $\alpha$  induces potent phosphorylation of eIF2 $\alpha$  at Ser51.

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

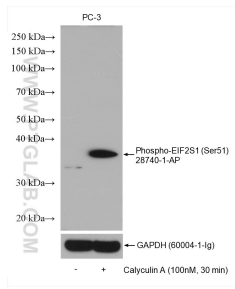
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

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



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.