

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-EIF2S1/EIF2A



Numéro de catalogue: 11170-1-AP

45 Publications

Informations de base

Numéro de catalogue: 11170-1-AP	Numéro d'acquisition GenBank: BC002513	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 300 µg/ml by Nanodrop;	Identification du gène (NCBI): 1965	Dilutions recommandées: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:2000-1:16000 for WB IHC 1:20-1:200 IF 1:20-1:200
Hôte: Lapin	Nom complet: eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa	
Isotype: IgG	MW calculé: 36 kDa	
Immunogen Catalog Number: AG1645	MW observés: 36 kDa	

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, porc, rat, souris

Contrôles positifs:

WB : cellules HepG2, cellules Jurkat, cellules MCF-7, cellules NIH/3T3

IP : cellules HepG2,

IHC : tissu de cancer du côlon humain,

IF : cellules HepG2,

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.

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. EIF2A (Gene ID: 83939) and EIF2S1 (Gene ID: 1965) share the EIF2A symbol/alias in common. EIF2S1 is the alpha subunit of the eIF2 translation initiation complex. Although both of these proteins function in binding initiator tRNA to the 40S ribosomal subunit, the EIF2A protein does so in a codon-dependent manner, whereas eIF2 complex requires GTP.

Publications notables

Autrice	Pubmed ID	Journal	Application
Yu Sun	34562065	J Cell Mol Med	WB
Liguo Yang	32943607	Cell Death Dis	WB
Tongtong Liu	34530836	J Neuroinflammation	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.

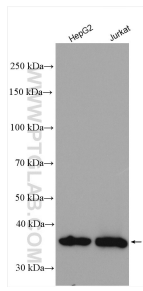
For technical support and original validation data for this product please contact:

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

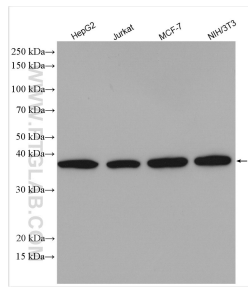
E: proteintech@ptglab.com
W: ptglab.com

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

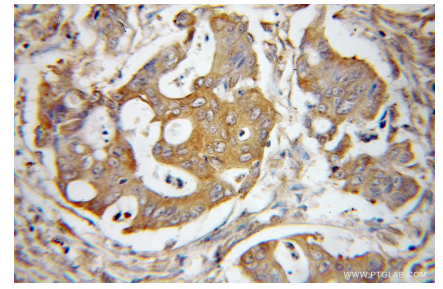
Données de validation sélectionnées



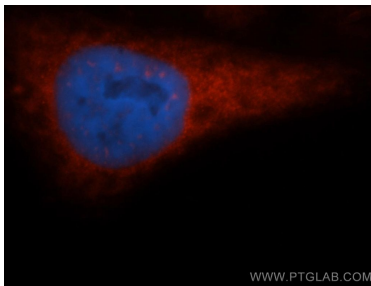
Various lysates were subjected to SDS PAGE followed by western blot with 11170-1-AP (EIF2S1/EIF2A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



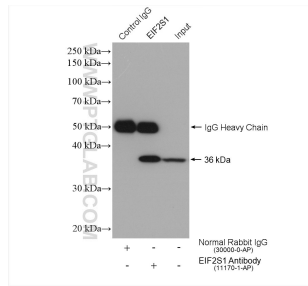
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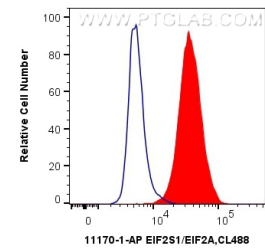
Immunohistochemical analysis of paraffin-embedded human colon cancer using 11170-1-AP (EIF2S1 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of HepG2 cells, using EIF2S1 antibody 11170-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP result of anti-EIF2S1/EIF2A(IP:11170-1-AP, 4ug; Detection:11170-1-AP 1:8000) with HepG2 cells lysate 1640 ug.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human EIF2S1/EIF2A (11170-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).