

À des fins de recherche uniquement

Anticorps Monoclonal anti-EIF2S1

Numéro de catalogue: 68479-1-Ig



Informations de base

Numéro de catalogue: 68479-1-Ig	Numéro d'acquisition GenBank: BC002513	Méthode de purification: Purification par protéine G
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 1965	CloneNo.: 3C8E2
Hôte: Mouse	Nom complet: eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa	Dilutions recommandées: WB 1:5000-1:50000
Isotype: IgG1	MW calculé 36 kDa	
Immunogen Catalog Number: AG28309	MW observés: 36 kDa	

Applications

Applications testées:
WB, ELISA

Spécificité de l'espèce:
Humain, rat, souris

Contrôles positifs:

WB : cellules A549, cellules HEK-293, cellules HeLa,
cellules HepG2, cellules HSC-T6, cellules Jurkat,
cellules K-562, cellules LNCaP, cellules NIH/3T3

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.

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.

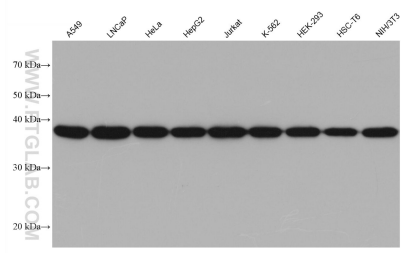
For technical support and original validation data for this product please contact:

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Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 68479-1-Ig (EIF2S1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.