

Nur für Forschungszwecke

EIF2S1/EIF2A Polyklonaler Antikörper



Katalog-Nr.: CL555-11170

Allgemeine Informationen

Katalog-Nr.: CL555-11170	GenBank-Zugangsnummer: BC002513	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 1 mg/ml von Nanodrop;	GeneID (NCBI): 1965	Anregungs-/Emissionsmaxima- Wellenlängen: 554 nm / 570 nm
Wirt: Kaninchen	Vollständiger Name: eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa	
Isotyp: IgG	Berechnete Masse: 36 kDa	
Immunogen Katalognummer: AG1645	Beobachtete Masse: 36 kDa	

Anwendungen

Geprüfte Anwendungen:
FC (Intra)

Getestete Reaktivität:
Human, Maus, Ratte

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. 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.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

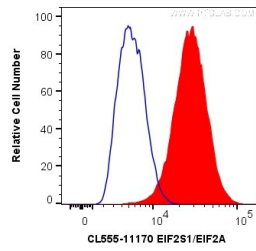
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

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



1X10⁶ MCF-7 cells were intracellularly stained with 0.2 ug CoraLite® Plus 555 Anti-Human EIF2S1/EIF2A (CL555-11170) (red), or 0.2 ug CoraLite® Plus 555 Rabbit IgG Control Antibody (CL555-30000) (Blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).