

Recombinant EIF2S1 Monoclonal Antibody

catalog number: **AN301512L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

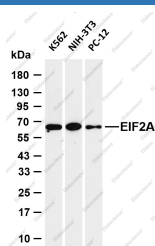
Reactivity	Human;Mouse;Rat
Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111135
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:2000-1:10000
IHC	1:200-1:500
IF	1:200-1:1000
ELISA	1:5000-1:20000

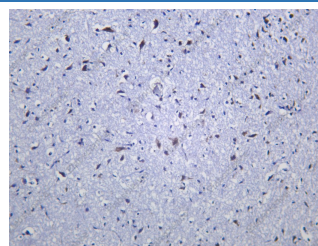
Data



Western blot analysis of K562, NIH-3T3 and PC-12 cell lysates using EIF2S1 Antibody (AN301512L).

Observed-MW:65 kDa

Calculated-MW:65 kDa



Immunohistochemical analysis of paraffin-embedded Rat brain sections using EIF2S1 Antibody (AN301512L).

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

The eukaryotic translation initiation factor 2- α subunit (EIF2S1) is the first regulatory step that catalyzes the initiation of protein synthesis and promotes the binding of the initial tRNA to the 40S ribosomal subunit. As an important translation initiation factor, the eukaryotic initiation factor 2- α subunit is regulated by a variety of signal molecules, that is, it functions by regulating the phosphorylation and acetylation status of EIF2S1. Kinases activated by viral infection (PKR), endoplasmic reticulum stress (PERK/PEK), amino acid deprivation (GCN2) or heme deficiency (HRI) can phosphorylate EIF2S1 to regulate the transcription and translation of cell-related genes and enhance Cell protection mechanism.

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