
Product Name: EIF2S1 Rabbit Monoclonal Antibody**Catalog #: AMRe87702**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.1mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:500-1:2000,IP 1:20-1:50
Molecular Weight	Calculated MW:36 kDa; Observed MW:36 kDa

Antigen Information

Gene Name	EIF2S1
Alternative Names	EIF2; EIF-2; EIF2A; EIF-2A; EIF-2alpha
Gene ID	1965, 13665, 54318
SwissProt ID	P05198, Q6ZWX6, P68101
Immunogen	A synthetic peptide of human EIF2S1

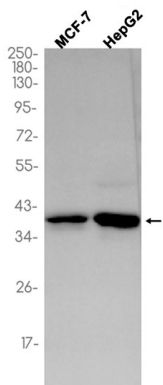
Background

The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is

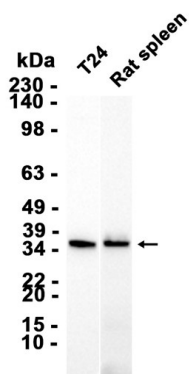
composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2; MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3; MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).[supplied by OMIM, Feb 2010]

Research Area

Image Data



Western blot analysis of extracts from MCF-7, HepG2 cells using EIF2S1 Rabbit Monoclonal Antibody at 1:1000.



Western blot analysis of extracts from T24 cells and Rat spleen tissue using AMRe87702 at 1:1000.