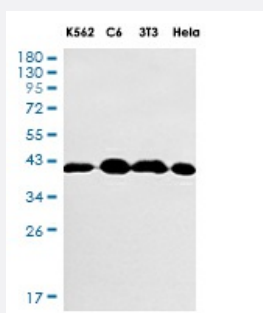


RecomAb™

EIF2S1 recombinant monoclonal antibody, clone R07-5H9

Catalog # RAB01230 Size 100 uL

Applications



Western Blot

Western blot analysis of Phospho-eIF2A (Ser51) in K562, C6, 3T3, HeLa lysates using Phospho-eIF2A (Ser51) antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human EIF2S1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against synthetic phosphopeptide corresponding to residues surrounding Ser51 of human EIF2S1.
Theoretical MW (kDa)	Calculated MW: 36 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine pH 7.4 (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C. For longer storage, aliquot and store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Phospho-eIF2A (Ser51) in K562, C6, 3T3, Hela lysates using Phospho-eIF2A (Ser51) antibody.

Gene Info — EIF2S1

Entrez GeneID[1965](#)**Protein Accession#**[P05198](#)**Gene Name**

EIF2S1

Gene Alias

EIF-2, EIF-2A, EIF-2alpha, EIF2, EIF2A

Gene Description

eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa

Omim ID[603907](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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, alpha (36 kD), beta (38 kD, MIM 603908), and gamma (52 kD, 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]

Other Designations

eIF-2-alpha|eukaryotic translation initiation factor 2, subunit 1 (alpha, 35kD)

Disease

- [Hepatitis B](#)