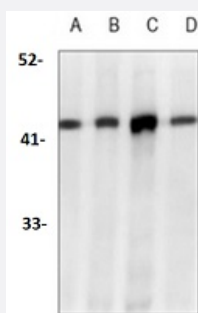


RecomAb™

EIF2S1 (Phospho S51) recombinant monoclonal antibody

Catalog # RAB02456 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of K562 (A), C6 (B), NIH3T3 (C), HeLa (D) whole cell lysates with EIF2S1 (Phospho S51) recombinant monoclonal antibody (Cat # RAB02456).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human EIF2S1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Ser51 of human EIF2S1.
Theoretical MW (kDa)	42
Reactivity	Human, Mouse, Rat
Specificity	Recognizes endogenous levels of EIF2S1 (pS51) protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of K562 (A), C6 (B), NIH3T3 (C), Hela (D) whole cell lysates with EIF2S1 (Phospho S51) recombinant monoclonal antibody (Cat # RAB02456).

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](#)