

Datasheet for ABIN5958383
anti-EIF2A antibody (Ser51)



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1 Image

Overview

Quantity:	200 µL
Target:	EIF2A
Binding Specificity:	Ser51
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthesized peptide derived from human eIF2alpha around the non-phosphorylation site of Ser51.
Isotype:	IgG
Specificity:	EIF 2 alpha,EIF 2,EIF 2A,EIF 2alpha,eIF-2-alpha,eIF-2A,EIF-2alpha,EIF2 alpha,EIF2,EIF2A,EIF 2S1,Eukaryotic translation initiation factor 2 subunit 1 alpha 35 kDa,Eukaryotic translation initiation factor 2 subunit 1 alpha,Eukaryotic translation initiation factor 2 subunit 1,Eukaryotic translation initiation factor 2 subunit alpha,IF2A
Purification:	Affinity purification

Target Details

Target:	EIF2A
Alternative Name:	EIF2 alpha (EIF2A Products)
Background:	Functions in the early steps of protein synthesis of a small number of specific mRNAs. Acts by directing the binding of methionyl-tRNAi to 40S ribosomal subunits. In contrast to the eIF-2 complex, it binds methionyl-tRNAi to 40 S subunits in a codon-dependent manner, whereas the eIF-2 complex binds methionyl-tRNAi to 40 S subunits in a GTP-dependent manner. May act by impinging the expression of specific proteins.
Molecular Weight:	36kDa
Gene ID:	1965
UniProt:	P05198
Pathways:	Ribonucleoprotein Complex Subunit Organization , ER-Nucleus Signaling , Hepatitis C , Methionine Biosynthetic Process , Ribosome Assembly

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:100-1:300, IF 1:50-1:200, ELISA 1:10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Western Blotting

Image 1.

