

Datasheet for ABIN1711922
anti-EIF2A antibody (pSer52) (HRP)



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Overview

Quantity:	100 µL
Target:	EIF2A
Binding Specificity:	pSer52
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2A antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human eIF2 alpha subunit 1 around the phosphorylation site of Ser52 [EL(p-S)RR]
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow
Purification:	Purified by Protein A.

Target Details

Target:	EIF2A
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Target Details

Alternative Name:	eIF2 alpha (EIF2A Products)
Background:	Synonyms: EIF2, EIF-2, EIF2A, EIF-2A, EIF-2alpha, Eukaryotic translation initiation factor 2 subunit 1, Eukaryotic translation initiation factor 2 subunit alpha, eIF-2-alpha, EIF2S1 Background: Functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. This complex binds to a 4S ribosomal subunit, followed by mRNA binding to form a 43S preinitiation complex. Junction of the 6S ribosomal subunit to form the 8S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B.
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 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months