

Datasheet for ABIN7265172
anti-EIF2A antibody (pSer51)



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1 Image

Overview

Quantity:	200 µL
Target:	EIF2A
Binding Specificity:	pSer51
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A phospho specific peptide corresponding to residues surrounding S51 of human EIF2S1
Isotype:	IgG
Characteristics:	Phosphorylated antibody
Purification:	Affinity purification

Target Details

Target:	EIF2A
Alternative Name:	eIF2alpha (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

Target Details

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: Observed_MW: 38 kDa
Calculated_MW: 36 kDa

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

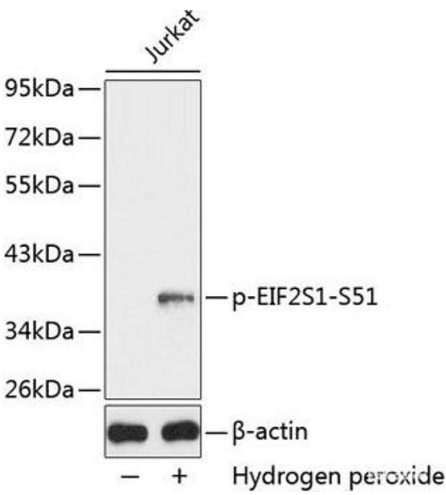
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

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. Western blot analysis of extracts from Jurkat cells using Phospho-eIF2α(S51) Polyclonal Antibody.