Datasheet for ABIN1531824

anti-EIF2A antibody (pSer52)

1 Image

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Overview

Quantity:	100 µL
Target:	EIF2A
Binding Specificity:	AA 21-70, pSer52
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human eIF2 alpha around the phosphorylation site of Ser51.
Isotype:	IgG
Specificity:	eIF2 alpha (Phospho-Ser51) Antibody detects endogenous levels of eIF2 alpha only when phosphorylated at Ser51. PhosphorylationH:S52 M:S52 R:S52
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

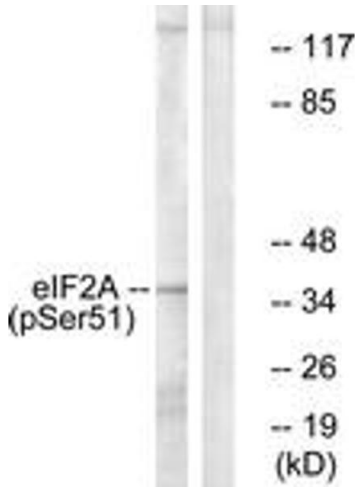
Target:	EIF2A
Alternative Name:	eIF2 alpha (EIF2A Products)
Background:	Synonyms: eIF-2-alpha, EIF-2A, EIF-2alpha, EIF2S1, Eukaryotic translation initiation factor 2 alpha subunit, Eukaryotic translation initiation factor 2 subunit 1, IF2A NCBI Gene Symbol: EIF2S1
Molecular Weight:	36 kDa
Gene ID:	1965
OMIM:	603907
UniProt:	P05198
Pathways:	Ribonucleoprotein Complex Subunit Organization, ER-Nucleus Signaling, Hepatitis C, Methionine Biosynthetic Process, Ribosome Assembly

Application Details

Application Notes:	WB: 1:500~1:1000 ELISA: 1:10000
Comment:	Unigene-Number: Hs.151777 (NCBI Gene Symbol: EIF2S1)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of extracts from K562 cells treated with IFN-alpha 1000U/ml 18h, using eIF2 alpha (Phospho-Ser51) Antibody. The lane on the right is treated with the synthesized peptide.