

Datasheet for ABIN6282898
anti-EIF2A antibody (AA 30-110)



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Overview

Quantity:	50 µL
Target:	EIF2A
Binding Specificity:	AA 30-110
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	eIF2α is a protein encoded by the EIF2S1 gene which is approximately 36,1 kDa. eIF2α is localised to cytoplasmic granules. It is involved in viral mRNA translation, influenza A, translation factors, regulation of lipid metabolism and insulin signalling-generic cascades. It is an enzyme that catalyses the removal of phosphate groups from serine and/or threonine residues by hydrolysis of phosphoric acid monoesters. They oppose the action of kinases and phosphorylases and are involved in signal transduction. eIF2α is expressed in the liver, nervous system, lung, blood and kidney. Mutations in the EIF2S1 gene may result in Wolcott-Rallison syndrome and fatty liver disease. STJ92872 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of eIF2α protein.
Immunogen:	Synthesized peptide derived from human eIF2α around the non-phosphorylation site of S51.

Product Details

Isotype:	IgG
Specificity:	EIF2α Polyclonal Antibody detects endogenous levels of eIF2α protein.
Characteristics:	Rabbit polyclonal to eIF2α.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	EIF2A
Alternative Name:	eIF2alpha (EIF2A Products)
Molecular Weight:	38 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 IHC 1:100-1:300 ELISA 1:10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
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

Handling

Storage Comment: Store at -20°C, and avoid repeat freeze-thaw cycles.