### EIF2 alpha Polyclonal Antibody

Catalog Number: E-AB-31295



Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human, Mouse, Rat, Monkey

**Immunogen** Synthesized peptide derived from human eIF $2\alpha$  around the non-phosphorylation site

of Ser51.

Host Rabbit Isotype IgG

**Purification** Affinity purification

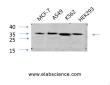
Conjugation Unconjugated

**Formulation** PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

## **Applications** Recommended Dilution

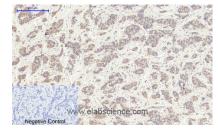
WB 1:500-1:2000
IHC 1:100-1:300
IF 1:50-1:200
ELISA 1:10000

#### Data

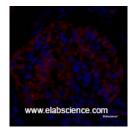


Western Blot analysis of various cells using EIF2 alpha Polyclonal Antibody at dilution of 1:1000.

Observed Mw:38kDa Calculated Mw:36kDa



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using EIF2 alpha Polyclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Rat kidney tissue using EIF2 alpha Polyclonal Antibody at dilution of 1:200.

## **Preparation & Storage**

Storage Store at -20°C. Avoid freeze / thaw cycles.

#### For Research Use Only

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Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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### **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 impiging the expression of specific proteins.

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