EIF2 alpha Polyclonal Antibody

catalog number: **E-AB-31295**

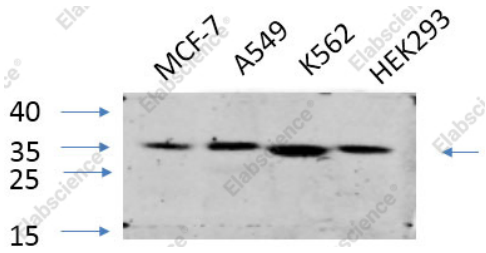
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat;Monkey
Immunogen	Synthesized peptide derived from human eIF2α around the non-phosphorylation site of Ser51.
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300
IF	1:50-1:200

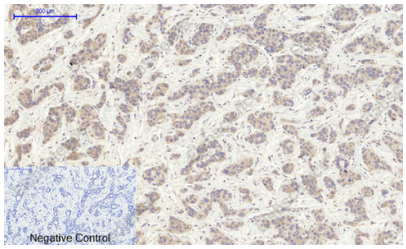
Data



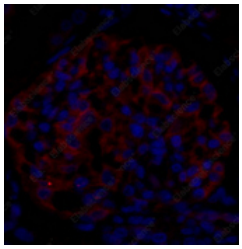
Western Blot analysis of various cells using EIF2 alpha Polyclonal Antibody at dilution of 1:1000.

Observed-MW:38 kDa

Calculated-MW:36 kDa



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 Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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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