

Product Name: KD-Validated EIF4E2 Mouse Monoclonal Antibody**Catalog #: KVA00572**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 28.4kDa

Antigen Information

Gene Name	EIF4E2 EIF4E2; Eukaryotic Translation Initiation Factor 4E Family Member 2; Eukaryotic Translation Initiation Factor 4E-Like 3; EIF4EL3; IF4e; 4EHP; Eukaryotic Translation Initiation Factor 4E
Alternative Names	Homologous Protein; Eukaryotic Translation Initiation Factor 4E Type 2; MRNA Cap-Binding Protein Type 3; EIF4E-Like Protein 4E-LP; EIF-4E Type 2; H4EHP; EIF4E-Like Cap-Binding Protein; MRNA Cap-Binding Protein 4EHP; EIF4E Type 2; 4E-LP
Gene ID	9470.0
SwissProt ID	O60573
Immunogen	Recombinant protein of human EIF4E2

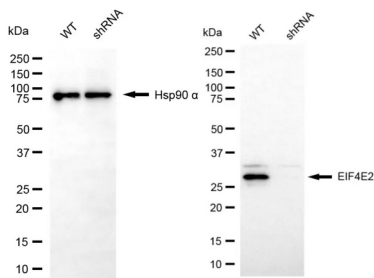
Background

Enables RNA 7-methylguanosine cap binding activity; mRNA cap binding activity; and ubiquitin protein ligase binding activity. Involved in negative regulation of translational initiation; negative regulation of type I interferon-mediated signaling pathway; and rescue of stalled ribosome. Acts upstream of with a positive effect on miRNA-mediated gene silencing by inhibition of translation. Acts upstream of or within negative regulation of translation. Located in P-body. [provided by Alliance of Genome Resources, Jul 2025]

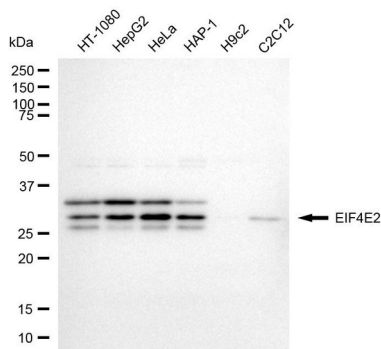
Research Area

Epigenetics and Nuclear Signaling

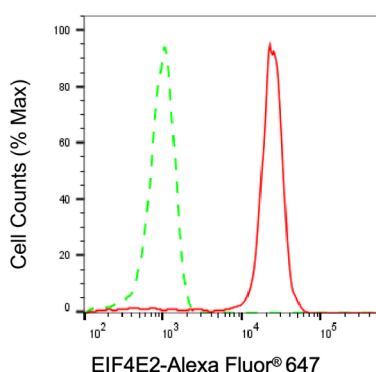
Image Data



Western blotting analysis using EIF4E2 antibody (KVA00572). EIF4E2 expression in wild type (WT) and EIF4E2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with EIF4E2 antibody (KVA00572, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using EIF4E2 antibody (KVA00572). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with EIF4E2 antibody (KVA00572, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of EIF4E2 expression in HepG2 cells using EIF4E2 antibody (KVA00572, 1:1,000). Green, isotype control; red, EIF4E2.