

Product Name: KD-Validated EIF4A1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVAb01370**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit 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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 46.2kDa

Antigen Information

Gene Name	EIF4A1
Alternative Names	EIF4A1; Eukaryotic Translation Initiation Factor 4A1; DDX2A; EIF-4A; EIF4A; ATP-Dependent RNA Helicase EIF4A-1; Eukaryotic Initiation Factor 4A-I; EIF-4A-I; EIF4A-I; Eukaryotic Translation Initiation Factor 4A, Isoform 1; Eukaryotic Translation Initiation Factor 4A; Eukaryotic Initiation Factor 4A; EC 3.6.4.13; EC 3.6.1
Gene ID	1973.0
SwissProt ID	P60842
Immunogen	A synthesized peptide derived from human eIF4A1

Background

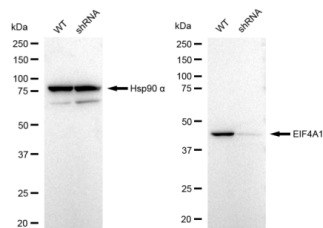
Enables double-stranded RNA binding activity and translation initiation factor activity. Involved in cytoplasmic translational

initiation and positive regulation of transcription by RNA polymerase II. Located in nuclear stress granule; perinuclear region of cytoplasm; and plasma membrane. [provided by Alliance of Genome Resources, Jul 2025]

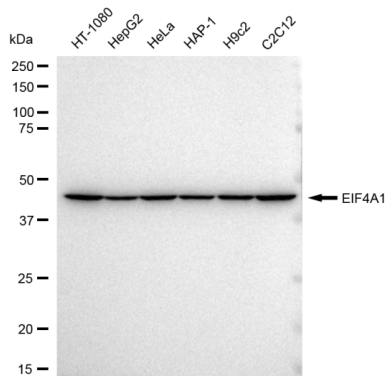
Research Area

Epigenetics and Nuclear Signaling

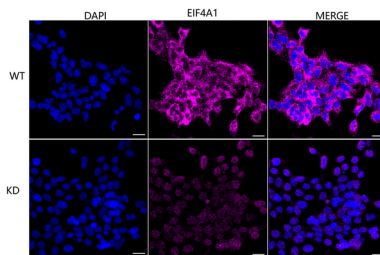
Image Data



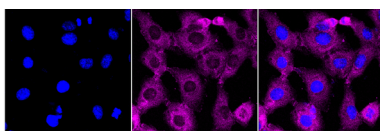
Western blotting analysis using EIF4A1 antibody (KVA01370). EIF4A1 expression in wild type (WT) and EIF4A1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with EIF4A1 antibody (KVA01370, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



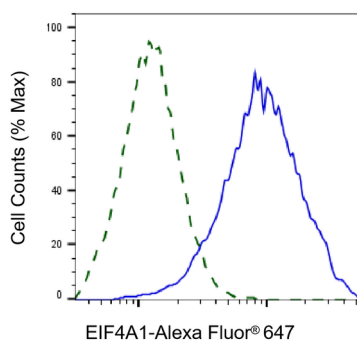
Western blotting analysis using EIF4A1 antibody (KVA01370). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with EIF4A1 antibody (KVA01370, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



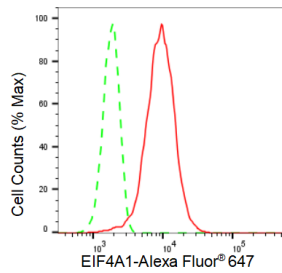
Immunocytochemical staining of HeLa cells using EIF4A1 antibody (KVA01370, 1:1,000), Top panel: wild-type (WT); Bottom panel: EIF4A1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; EIF4A1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HT-1080 cells with EIF4A1 antibody (KVA01370, 1:1,000). Nuclei were stained blue with DAPI; EIF4A1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of EIF4A1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with EIF4A1 antibody (KVA01370, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of EIF4A1 expression in HT-1080 cells using EIF4A1 antibody (KVA01370, 1:2,000). Green, isotype control; red, EIF4A1.