

eIF4A1 Rabbit pAb

Catalog No.: A5294

5 Publications

Basic Information

Observed MW

48kDa

Calculated MW

46kDa

Category

Primary antibody

Applications

WB,IF/ICC,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Enables double-stranded RNA binding activity. Predicted to be involved in cytoplasmic translational initiation. Located in cytoplasm.

Recommended Dilutions

WB 1:1000 - 1:5000

IF/ICC 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

1973

Swiss Prot

P60842

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human eIF4A1 (NP_001407.1).

Synonyms

DDX2A; EIF4A; EIF-4A; eIF4A-I; eIF-4A-I; eIF4A1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

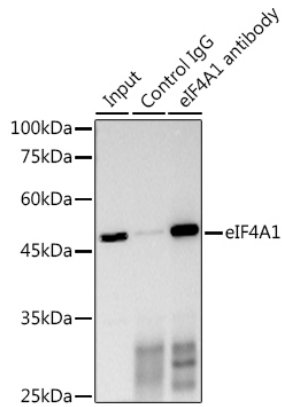
Affinity purification

Storage

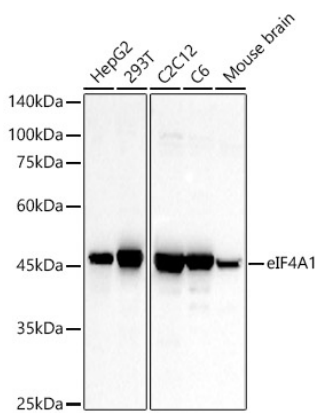
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

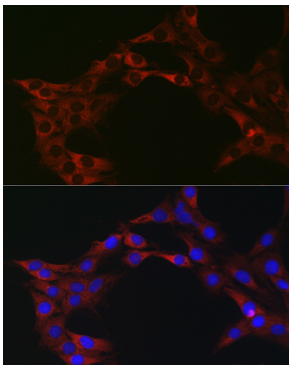
Validation Data



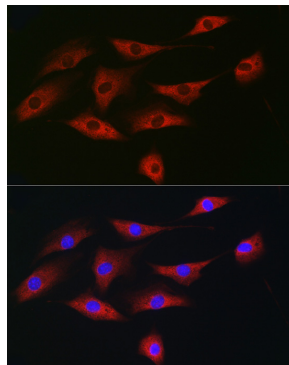
Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg eIF4A1 antibody (A5294). Western blot was performed from the immunoprecipitate using eIF4A1 antibody (A5294) at a dilution of 1:1000.



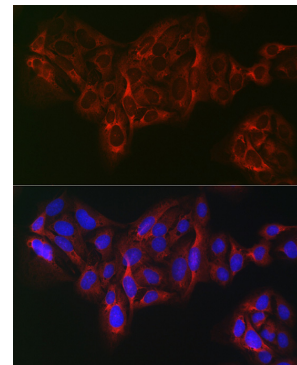
Western blot analysis of various lysates, using eIF4A1 Rabbit pAb (A5294) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunofluorescence analysis of C6 cells using eIF4A1 Rabbit pAb (A5294) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

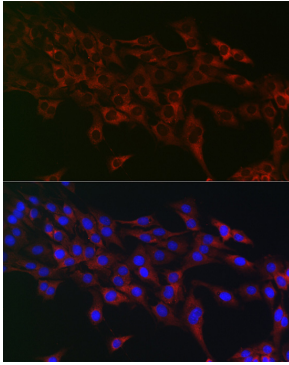


Immunofluorescence analysis of NIH/3T3 cells using eIF4A1 Rabbit pAb (A5294) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

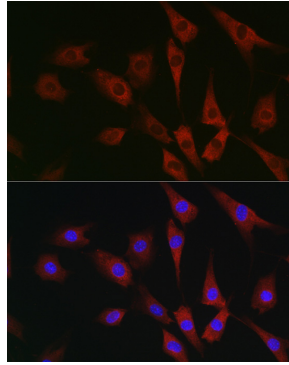


Immunofluorescence analysis of U2OS cells using eIF4A1 Rabbit pAb (A5294) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

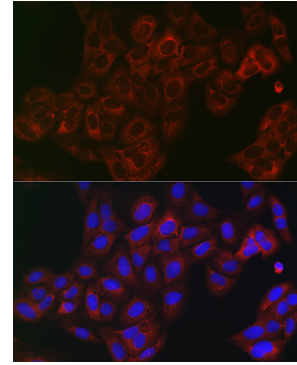
Validation Data



Immunofluorescence analysis of C6 cells using eIF4A1 Rabbit pAb (A5294) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



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Immunofluorescence analysis of U2OS cells using eIF4A1 Rabbit pAb (A5294) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.