

eIF4A1 Rabbit mAb

Catalog No.: A23514 **Recombinant**

Basic Information

Observed MW

48kDa

Calculated MW

46kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, IP

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC57329

Background

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

Recommended Dilutions

WB	1:2000 - 1:8000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

Immunogen Information

Gene ID

1973

Swiss Prot

P60842

Immunogen

Recombinant fusion protein containing a sequence corresponding to 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

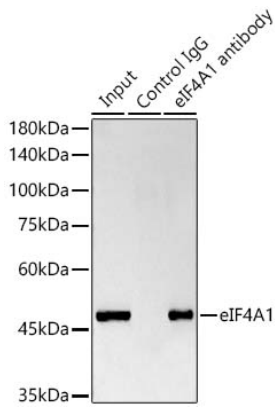
Affinity purification

Storage

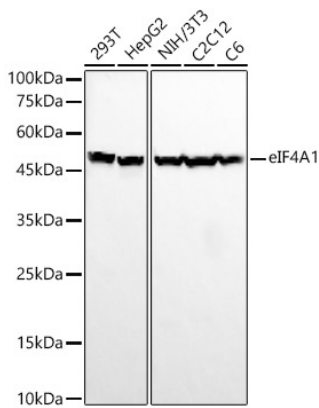
Store at -20°C. Avoid freeze / thaw cycles.

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

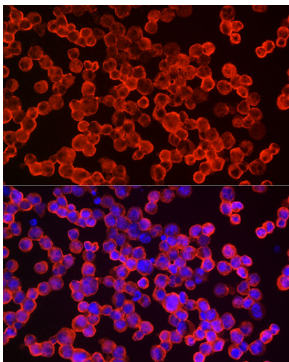
Validation Data



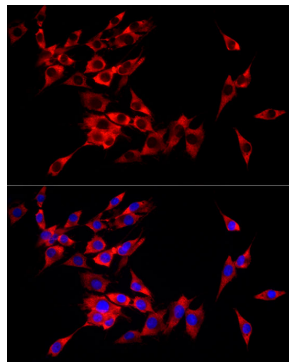
Immunoprecipitation analysis of 300 µg extracts of HepG2 cells using 3 µg eIF4A1 Rabbit mAb (A23514). Western blot was performed from the immunoprecipitate using eIF4A1 Rabbit mAb (A23514) at a dilution of 1:7000.



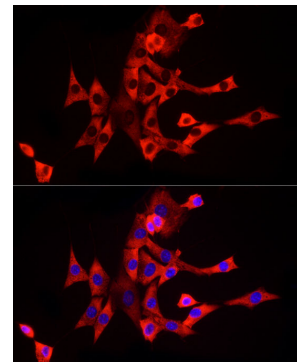
Western blot analysis of various lysates, using eIF4A1 Rabbit mAb (A23514) at 1:7000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunofluorescence analysis of 293T cells using eIF4A1 Rabbit mAb (A23514) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

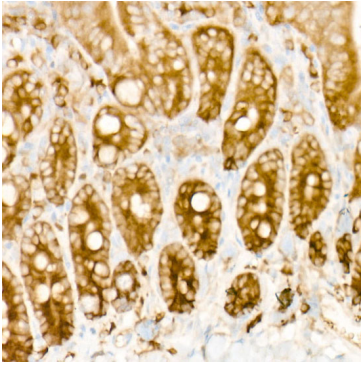


Immunofluorescence analysis of C6 cells using eIF4A1 Rabbit mAb (A23514) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

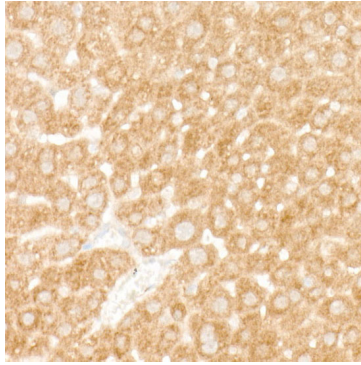


Immunofluorescence analysis of NIH/3T3 cells using eIF4A1 Rabbit mAb (A23514) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse intestine using eIF4A1 Rabbit mAb (A23514) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver using eIF4A1 Rabbit mAb (A23514) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.