

eIF4A1 Rabbit mAb

Catalog NO.: A23514 **Recombinant**

Basic Information

Observed MW

48kDa

Calculated MW

46kDa

Category

Monoclonal Antibodies

Applications

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

Cross-Reactivity

Human, Mouse, Rat, Monkey

Conjugation

Unconjugated

Clone number

ARC57329

Background

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

Recommended Dilutions

WB 1:5000 - 1:20000

IHC-P 1:400 - 1:2500

IF/ICC 1:1000 - 1:4000

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.

Contact

Immunogen Information

Gene ID

1973

Swiss Prot

P60842

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

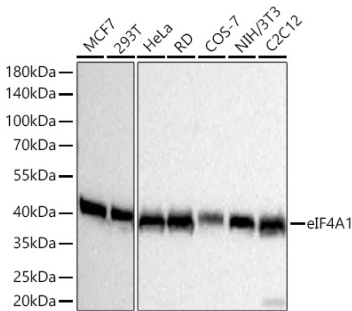
DDX2A; EIF4A; EIF-4A; eIF4A-L; eIF-4A-L; eIF4A1

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Western blot analysis of various lysates using eIF4A1 Rabbit mAb (A23514) at 1:11000 dilution incubated at room temperature for 1.5 hours.

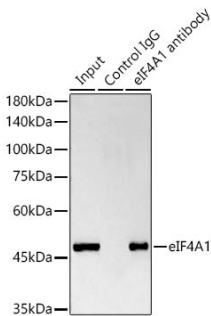
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

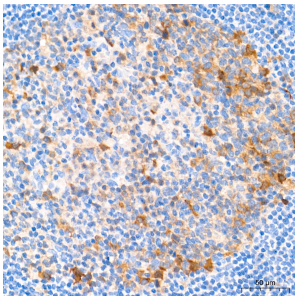
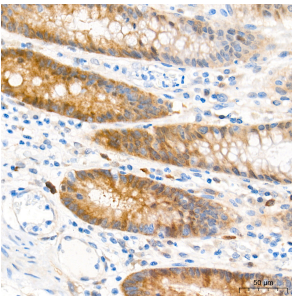
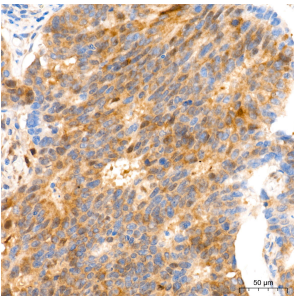
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.



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.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using eIF4A1 Rabbit mAb (A23514) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Antibody | Protein | ELISA Kit | Enzyme | NGS | Service

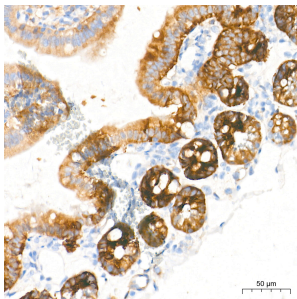
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using eIF4A1 Rabbit mAb (A23514) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using eIF4A1 Rabbit mAb (A23514) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

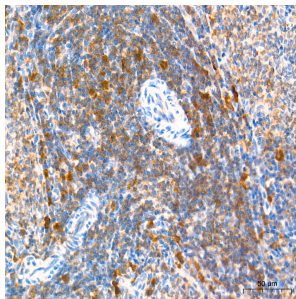
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Please visit <https://abclonal.com> for a complete list of recommended products.

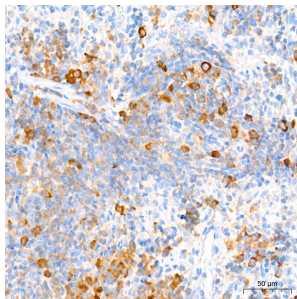
Validation Data



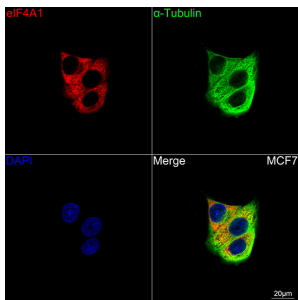
Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using eIF4A1 Rabbit mAb (A23514) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



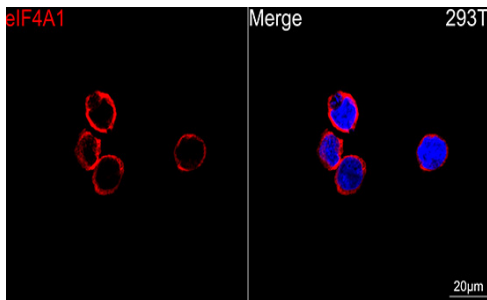
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using eIF4A1 Rabbit mAb (A23514) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



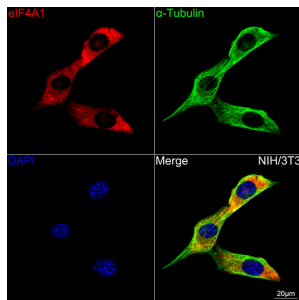
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using eIF4A1 Rabbit mAb (A23514) at a dilution of 1:2500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



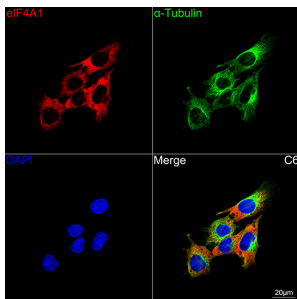
Confocal imaging of MCF7 cells using eIF4A1 Rabbit mAb (A23514, dilution 1:2500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of 293T cells using eIF4A1 Rabbit mAb (A23514, dilution 1:2500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using eIF4A1 Rabbit mAb (A23514, dilution 1:2500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of C6 cells using eIF4A1 Rabbit mAb (A23514, dilution 1:2500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with

α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

