

[KD Validated] eIF4E Rabbit pAb

Catalog No.: A2162 9 Publications

Basic Information

Observed MW

25kDa/28kDa

Calculated MW

25kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene is a component of the eukaryotic translation initiation factor 4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of messenger RNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the 5'-cap structure. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. This gene acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:100

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

1977

Swiss Prot

P06730

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

CBP; EIF4F; AUTS19; EIF4E1; eIF-4E; EIF4EL1; 4E

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

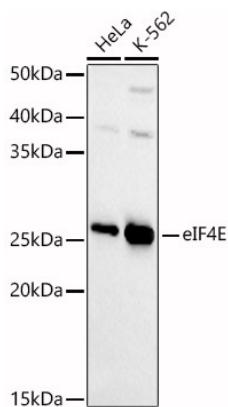
Contact

 | 400-999-6126

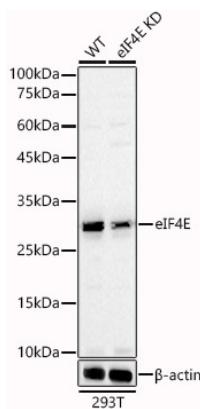
 | cn.market@abclonal.com.cn

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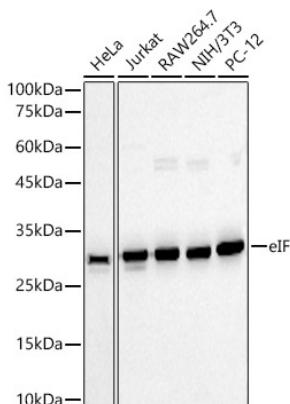
Validation Data



Western blot analysis of various lysates, using [KD Validated] eIF4E Rabbit pAb (A2162) at 1:1000 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: 45s.

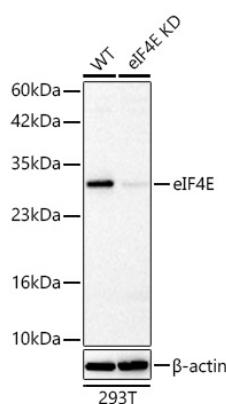


Western blot analysis of lysates from wild type(WT) and eIF4E knockdown (KD) 293T cells, using [KD Validated] eIF4E Rabbit pAb (A2162) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

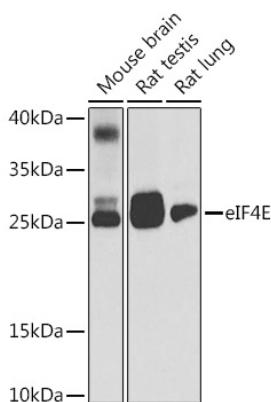


Western blot analysis of various lysates, using [KD Validated] eIF4E Rabbit pAb (A2162) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

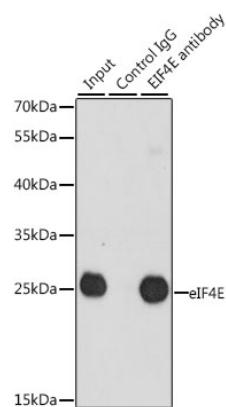
Validation Data



Western blot analysis of lysates from wild type (WT) and eIF4E knockdown (KD) 293T cells using [KD Validated] eIF4E Rabbit pAb (A2162) at 1:1400 dilution incubated overnight at 4°C. 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: 10 s.

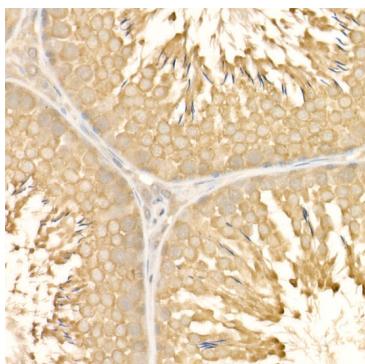


Western blot analysis of various lysates using eIF4E Rabbit pAb (A2162) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 10 s.

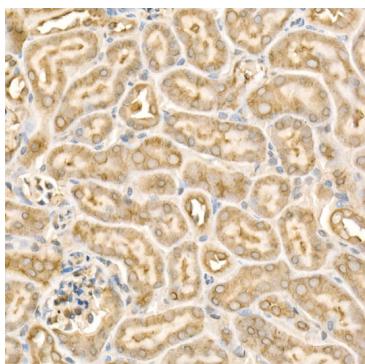


Immunoprecipitation analysis of 200 µg extracts of 293T cells, using 3 µg [KD Validated] eIF4E Rabbit pAb (A2162). Western blot was performed from the immunoprecipitate using [KD Validated] eIF4E Rabbit pAb at a dilution of 1:1000.

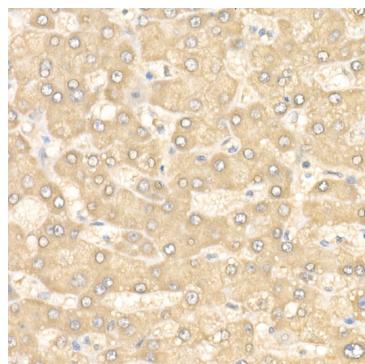
Validation Data



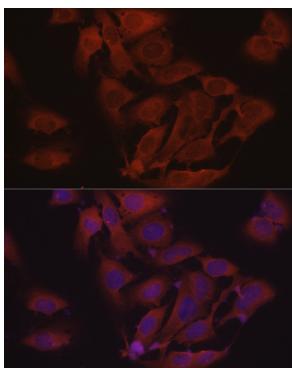
Immunohistochemistry analysis of paraffin-embedded Rat testis using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



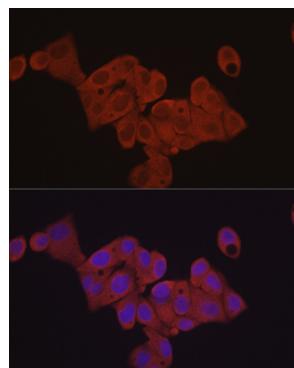
Immunohistochemistry analysis of paraffin-embedded Mouse liver using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



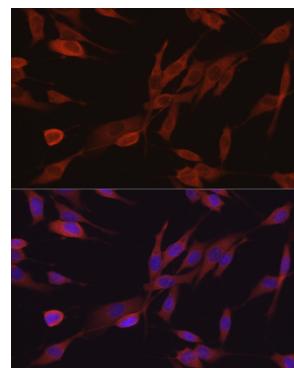
Immunohistochemistry analysis of paraffin-embedded Human liver using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



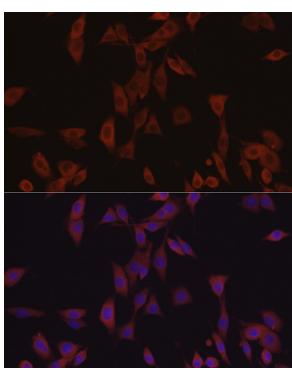
Immunofluorescence analysis of HeLa cells using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



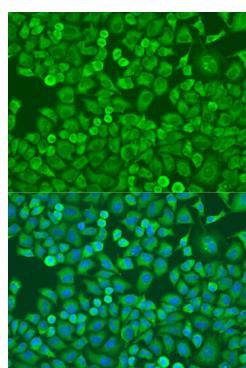
Immunofluorescence analysis of HepG2 cells using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



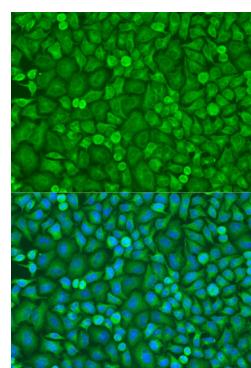
Immunofluorescence analysis of NIH/3T3 cells using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

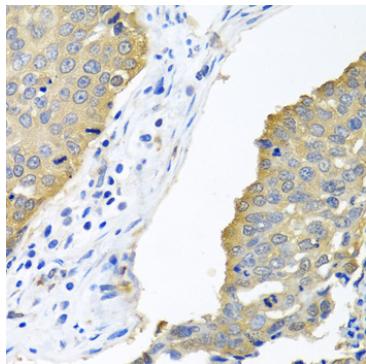


Immunofluorescence analysis of U2OS cells using eIF4E Rabbit pAb (A2162) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

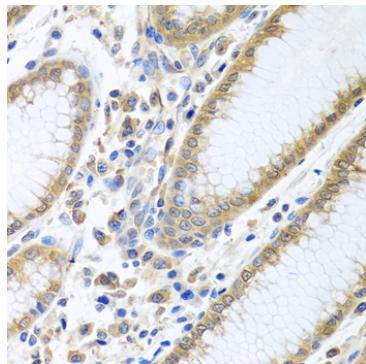


Immunofluorescence analysis of U2OS cells using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human stomach using [KD Validated] eIF4E Rabbit pAb (A2162) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.