Datasheet for ABIN6140086

# anti-EIF4E2 antibody (AA 1-240)

5 Images

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | EIF4E2 |
| Binding Specificity: | AA 1-240 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This EIF4E2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF) |

## Product Details

| | |
|---|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-240 of human EIF4E2 (NP_004837.1). |
| Sequence: | MNNKFDALKD DDSGDHDQNE ENSTQKDGEK EKTERDKNQS SSKRKAVVPG PAEHPLQYNY TFWYSRRTPG RPTSSQSYEQ NIKQIGTFAS VEQFWRFYSH MVRPGDLTGH SDFHLFKEGI KPMWEDDANK NGGKWIIRLR KGLASRCWEN LILAMLGEQF MVGEEICGAV VSVRFQEDII SIWNKTASDQ ATTARIRDTL RRVLNLPPNT IMEYKTHTDS IKMPGRLGPQ RLLFQNLWKP |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

## Target Details

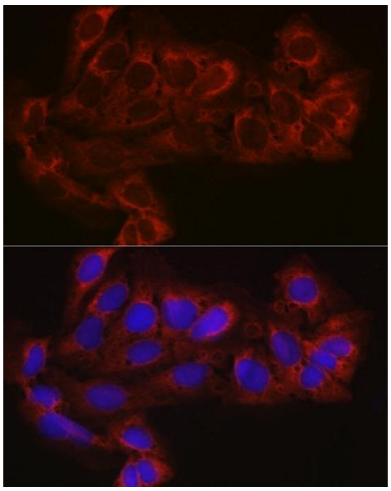
| | |
|---|---|
| Target: | EIF4E2 |
| Alternative Name: | EIF4E2 (EIF4E2 Products) |
| Background: | Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation. Acts as a repressor of translation initiation. In contrast to EIF4E, it is unable to bind eIF4G (EIF4G1, EIF4G2 or EIF4G3, suggesting that it acts by competing with EIF4E and block assembly of eIF4F at the cap (By similarity. In P-bodies, component of a complex that promotes miRNA-mediated translational repression.,EIF4E2,4E-LP,4EHP,EIF4EL3,IF4e,h4EHP,Epigenetics & Nuclear Signaling,Translation Control,Regulation of eIF4 and p70 S6 Kinase,EIF4E2 |
| Molecular Weight: | 27 kDa/28 kDa |
| Gene ID: | 9470 |
| UniProt: | O60573 |
| Pathways: | SARS-CoV-2 Protein Interactome |

## Application Details

| | |
|---|---|
| Application Notes: | WB,1:200 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200 |
| Comment: | HIGH QUALITY |
| Restrictions: | For Research Use only |

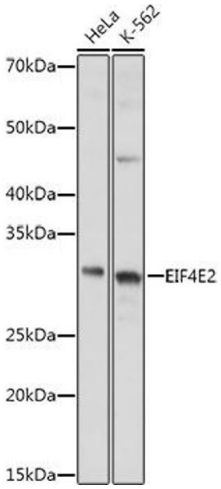
## Handling

| | |
|---|---|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



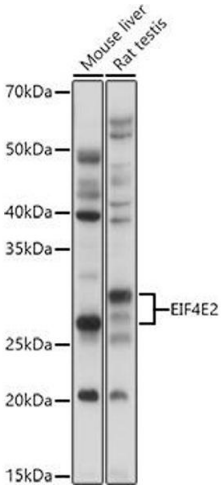
## Immunofluorescence

**Image 1.** Immunofluorescence analysis of U-2 OS cells using EIF4E2 Rabbit pAb (ABIN6130366, ABIN6140086, ABIN6140087 and ABIN6220578) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.




## Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using EIF4E2 antibody (ABIN6130366, ABIN6140086, ABIN6140087 and ABIN6220578) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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: 2s.




## Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using EIF4E2 antibody (ABIN6130366, ABIN6140086, ABIN6140087 and ABIN6220578) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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.

Please check the product details page for more images. Overall 5 images are available for ABIN6140086.