

## Catalog #: 5408

### Aliases

EIF4E2; Eukaryotic Translation Initiation Factor 4E Family Member 2; Eukaryotic Translation Initiation Factor 4E-Like 3; EIF4EL3; IF4e; 4EHP; Eukaryotic Translation Initiation Factor 4E Homologous Protein; Eukaryotic Translation Initiation Factor 4E Type 2; mRNA Cap-Binding Protein Type 3; EIF4E-Like Protein 4E-LP; EIF-4E Type 2; H4EHP; EIF4E-Like Cap-Binding Protein; mRNA Cap-Binding Protein 4EHP; EIF4E Type 2; 4E-LP

### Background

Gene Name: EIF4E2

NCBI Gene Entry: [9470](#)

UniProt Entry: [O60573](#)

### Application Information

Molecular Weight: Predicted, 28 kDa; observed, 28 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 25GB1370

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

### Immunogen

Recombinant protein of human EIF4E2

### Isotype

Mouse IgG1

### Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

### Storage

Store at -20 °C for one year.

### Recommended Dilutions

Western blotting (WB): 1:500-1:2,500

Flow Cytometry (FCM): 1:1,000

Immunocytochemistry (IC): 1:100-1:1,000

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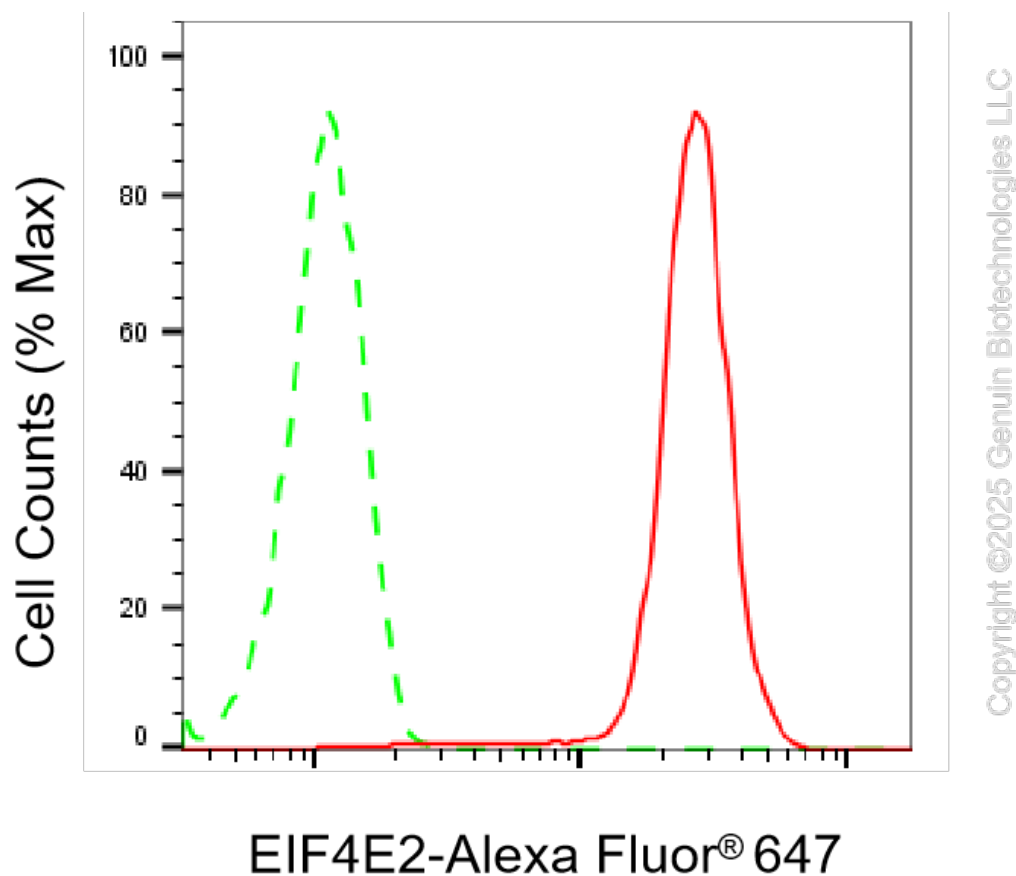
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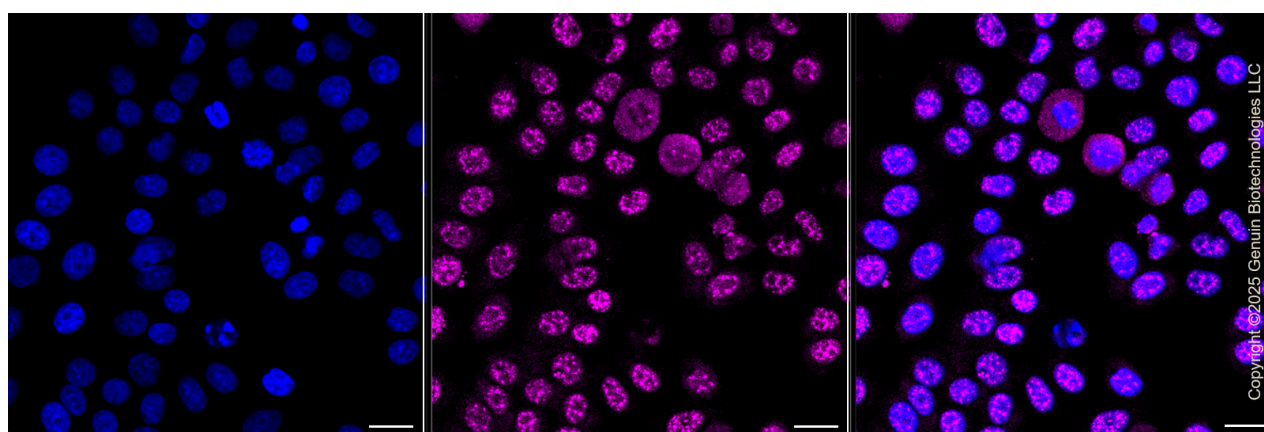
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**Note:** This product is for research use only.

## Validation Data



Flow cytometric analysis of EIF4E2 expression in HepG2 cells using anti-EIF4E2 antibody (Cat#5408, 1:1,000). Green, isotype control; red, EIF4E2.



Immunocytochemical staining of HepG2 cells with anti-EIF4E2 antibody (Cat#5408, 1:1,000). Nuclei were stained blue with DAPI; EIF4E2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart

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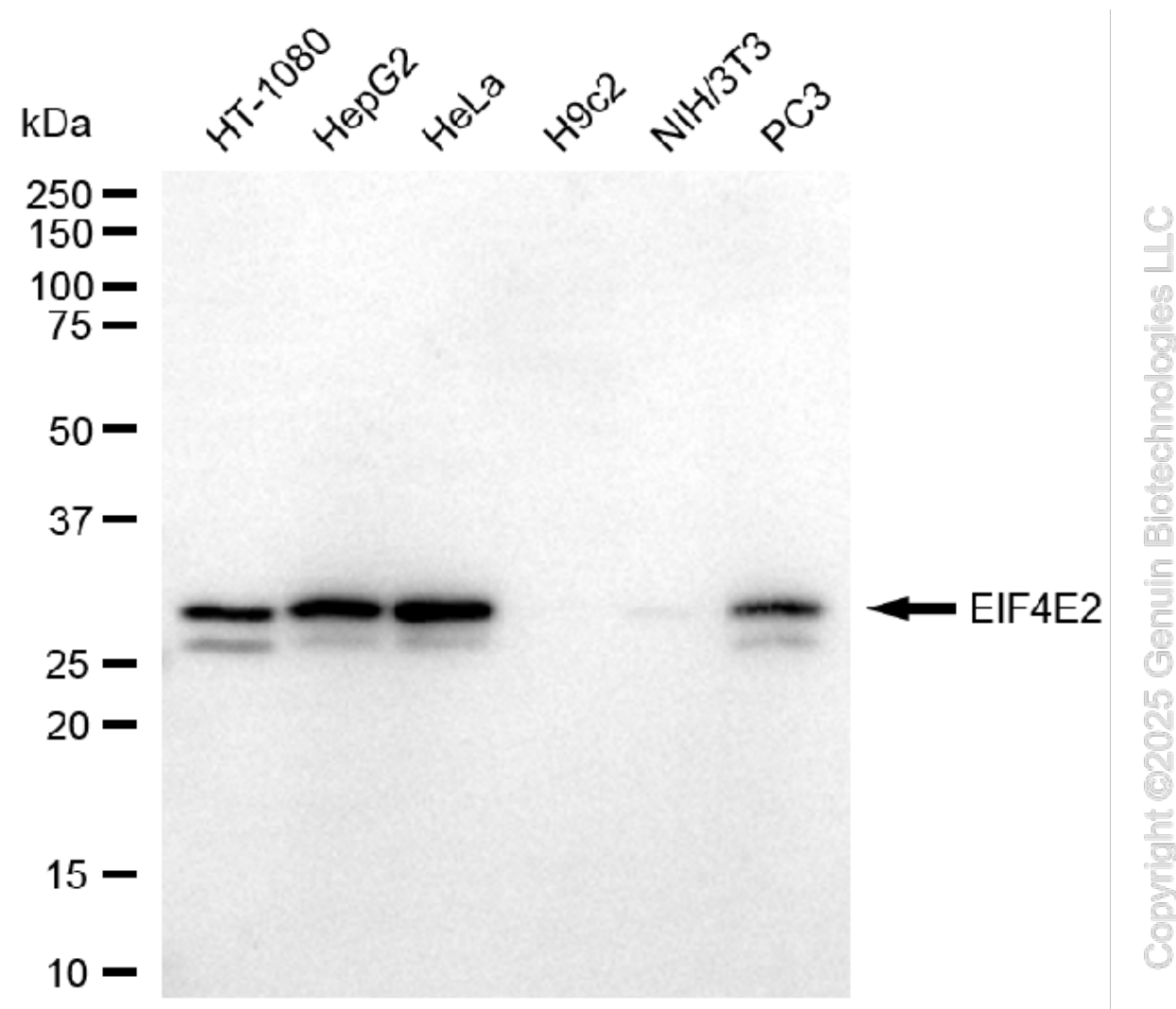
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gain: High. Scale bar, 20  $\mu$ m.



Western blotting analysis using anti-EIF4E2 antibody (Cat#5408). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-EIF4E2 antibody (Cat#5408, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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