

KO-Validated Anti-EIF2AK2 Recombinant Rabbit Monoclonal Antibody



Catalog #: 71268

Aliases

EIF2AK2; eIF-2A protein kinase 2; Protein kinase RNA-activated; PKR; p68 kinase; P1/eIF-2A protein kinase

Background

Gene Name: EIF2AK2

NCBI Gene Entry: [5610](#)

UniProt Entry: [P19525](#)

Application Information

Molecular Weight: Predicted, 62 kDa; observed, 68 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB4175

Species Reactivity: Human

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

Immunogen

A synthesized peptide derived from human PKR

Isotype

Rabbit IgG

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): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

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

Note: This product is for research use only.

Validation Data

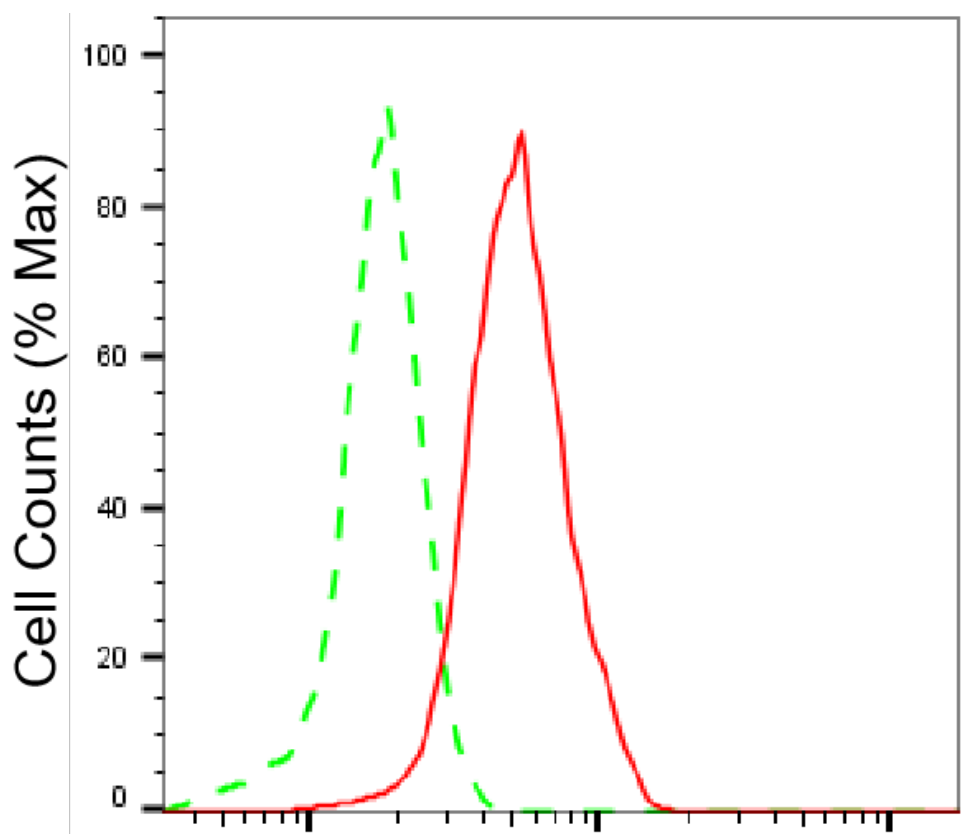
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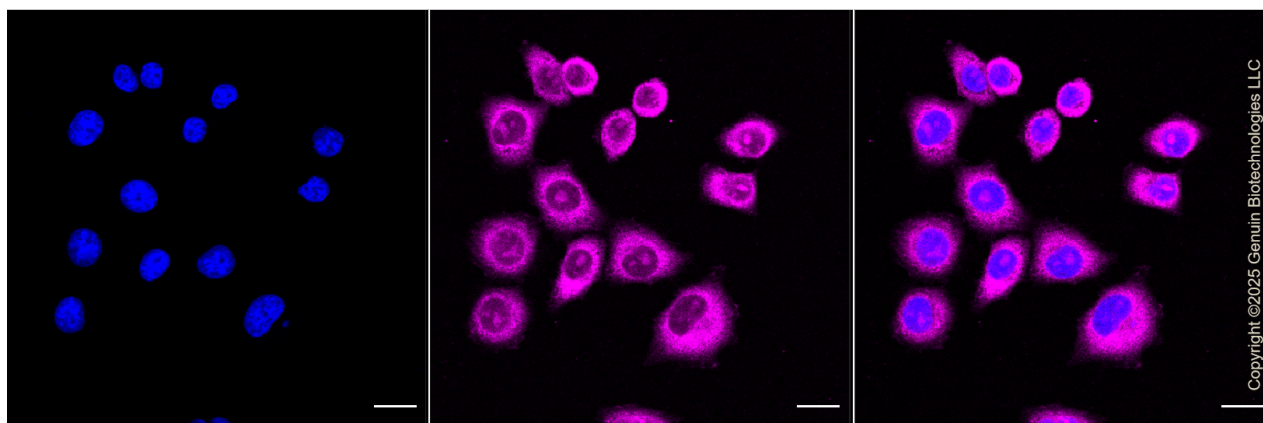
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EIF2AK2-Alexa Fluor® 647

Flow cytometric analysis of EIF2AK2 expression in HepG2 cells using EIF2AK2 antibody (Cat#71268, 1:2,000). Green, isotype control; red, EIF2AK2.



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Immunocytochemical staining of HepG2 cells with EIF2AK2 antibody (Cat#71268, 1:1,000). Nuclei were stained blue with DAPI; EIF2AK2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.

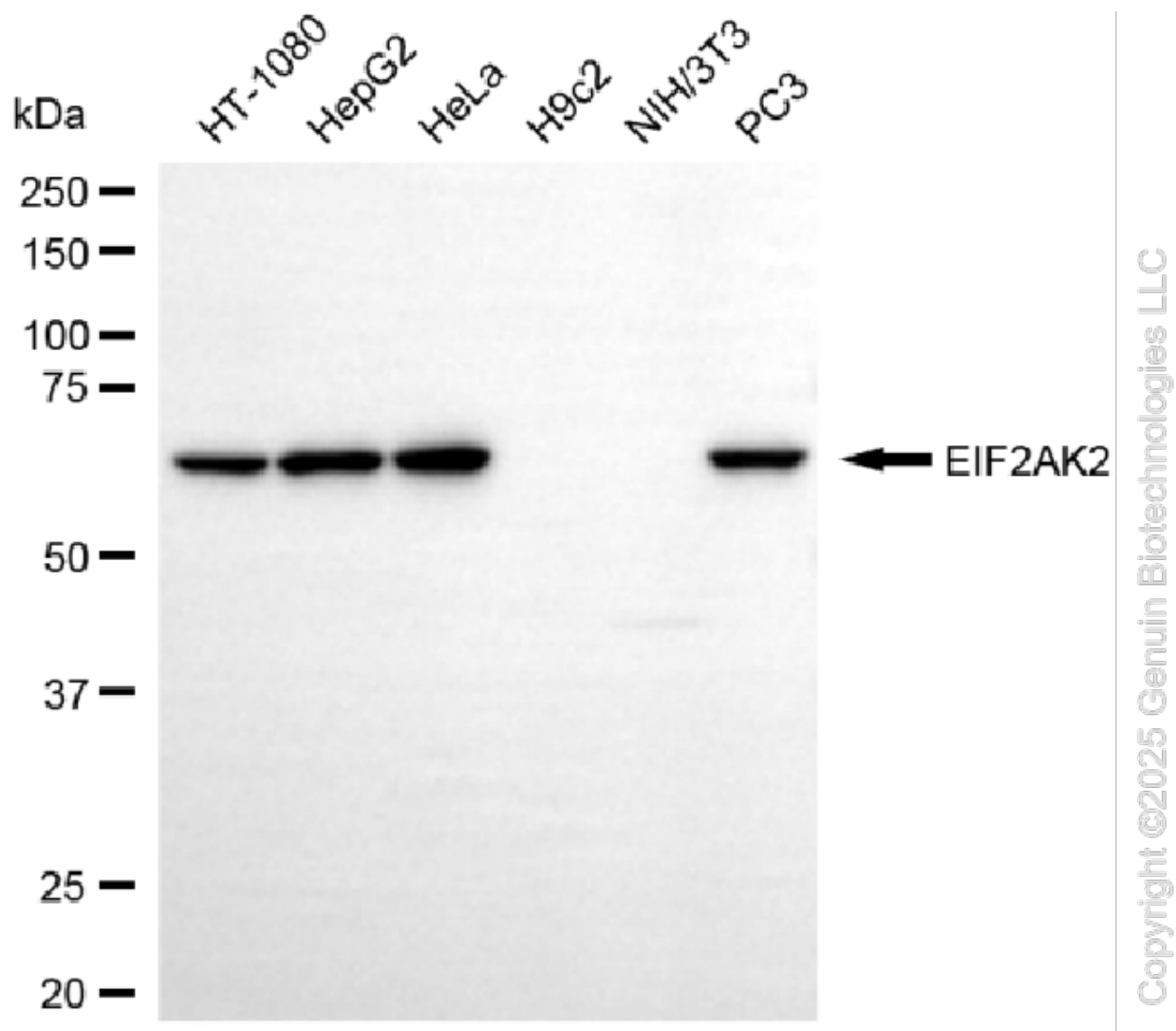
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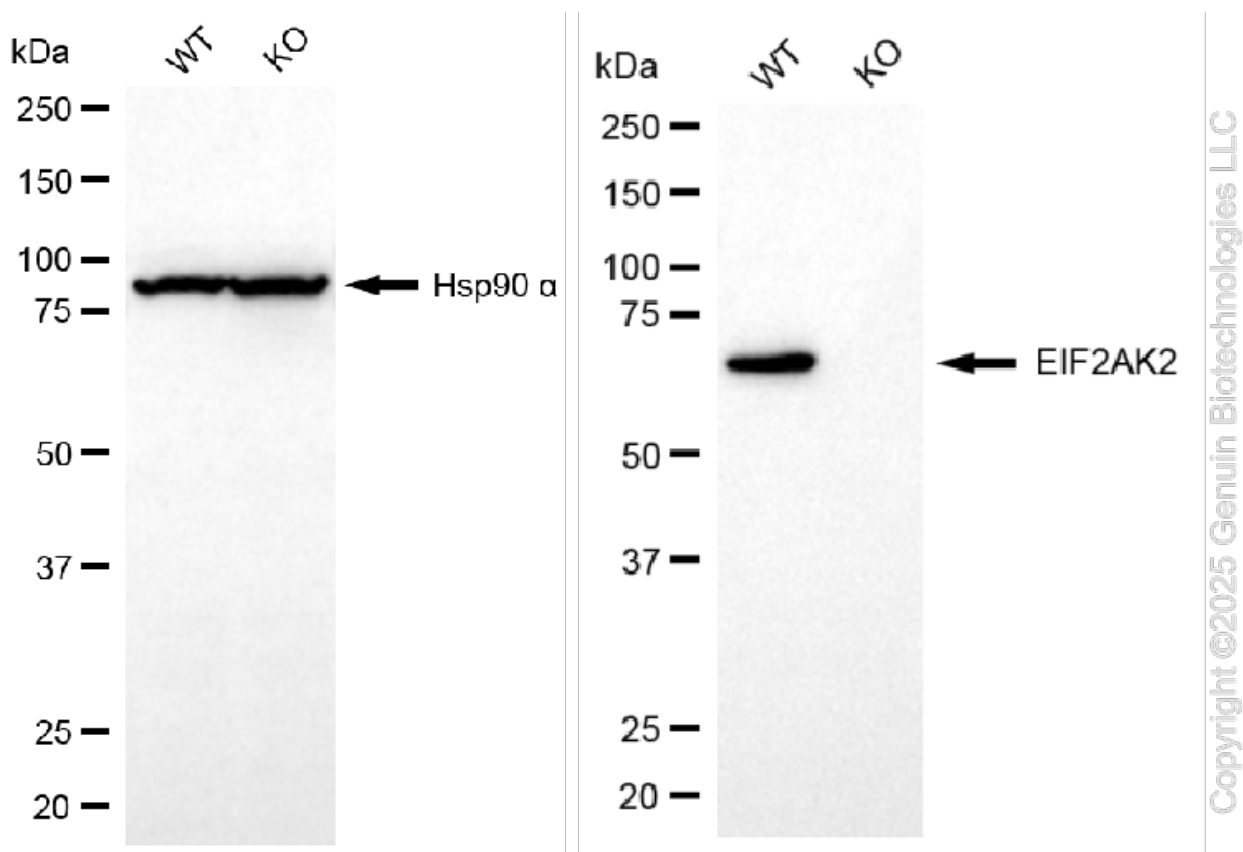
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Western blotting analysis using anti-EIF2AK2 antibody (Cat#71268). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-EIF2AK2 antibody (Cat#71268, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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Western blotting analysis using anti-EIF2AK2 antibody (Cat#71268). EIF2AK2 expression in wild-type (WT) and EIF2AK2 knockout (KO) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-EIF2AK2 antibody (Cat#71268, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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