

Catalog #: 3203

Aliases

EIF2AK2; Eukaryotic Translation Initiation Factor 2 Alpha Kinase 2; PKR; Protein Kinase R; PPP1R83; PRKR; Protein Kinase, Interferon-Inducible Double Stranded RNA Dependent; Interferon-Induced, Double-Stranded RNA-Activated Protein Kinase; Protein Phosphatase 1, Regulatory Subunit 83; Tyrosine-Protein Kinase EIF2AK2; Protein Kinase RNA-Activated; Protein Kinase RNA-Regulated; P1/EIF-2A Protein Kinase; EIF-2A Protein Kinase 2; P68 Kinase; Eukaryotic Translation Initiation Factor 2-Alpha Kinase 2; Interferon-Inducible RNA-Dependent Protein Kinase; Double Stranded RNA Activated Protein Kinase; Interferon-Inducible EIF2alpha Kinase; EC 2.7.11.1; EC 2.7.10.2; EIF2AK1; LEUDEN; DYT33

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: 24GB4500

Species Reactivity: Human

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

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

SUPPORT

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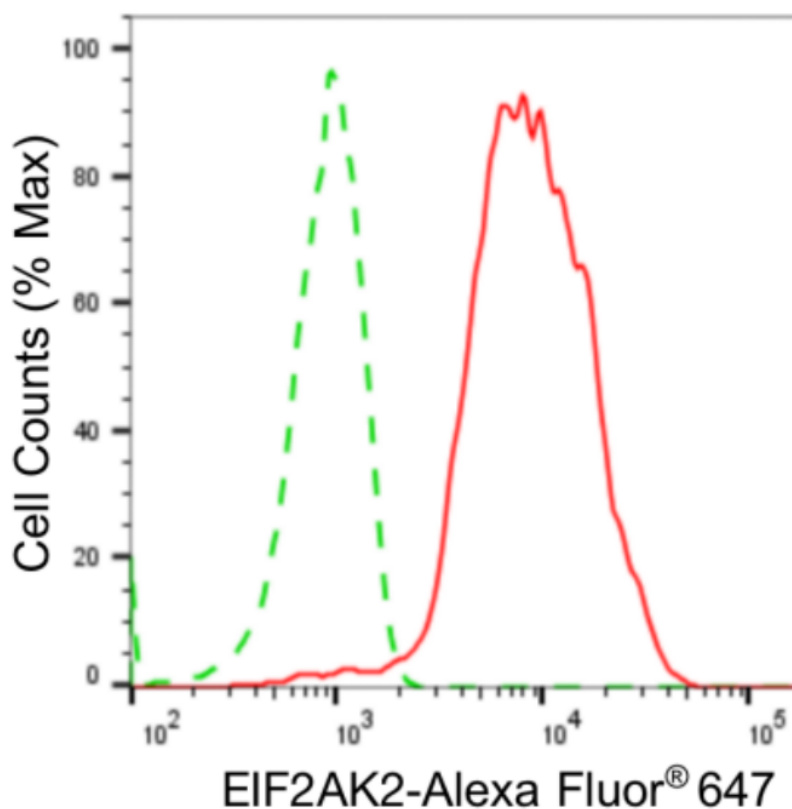
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Immunocytochemistry (IC): 1:100-1:1,000

Flow Cytometry (FCM): 1:2,000

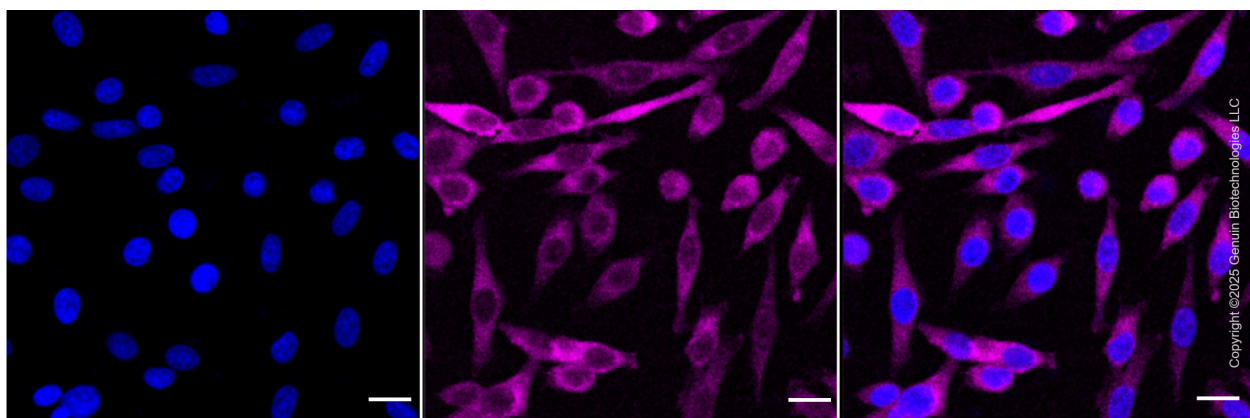
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Validation Data



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Flow cytometric analysis of EIF2AK2 expression in HepG2 cells using anti-EIF2AK2 antibody (Cat#3203, 1:2,000). Green, isotype control; red, EIF2AK2.



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Immunocytochemical staining of HepG2 cells with anti-EIF2AK2 antibody (Cat#3203, 1:1,000).

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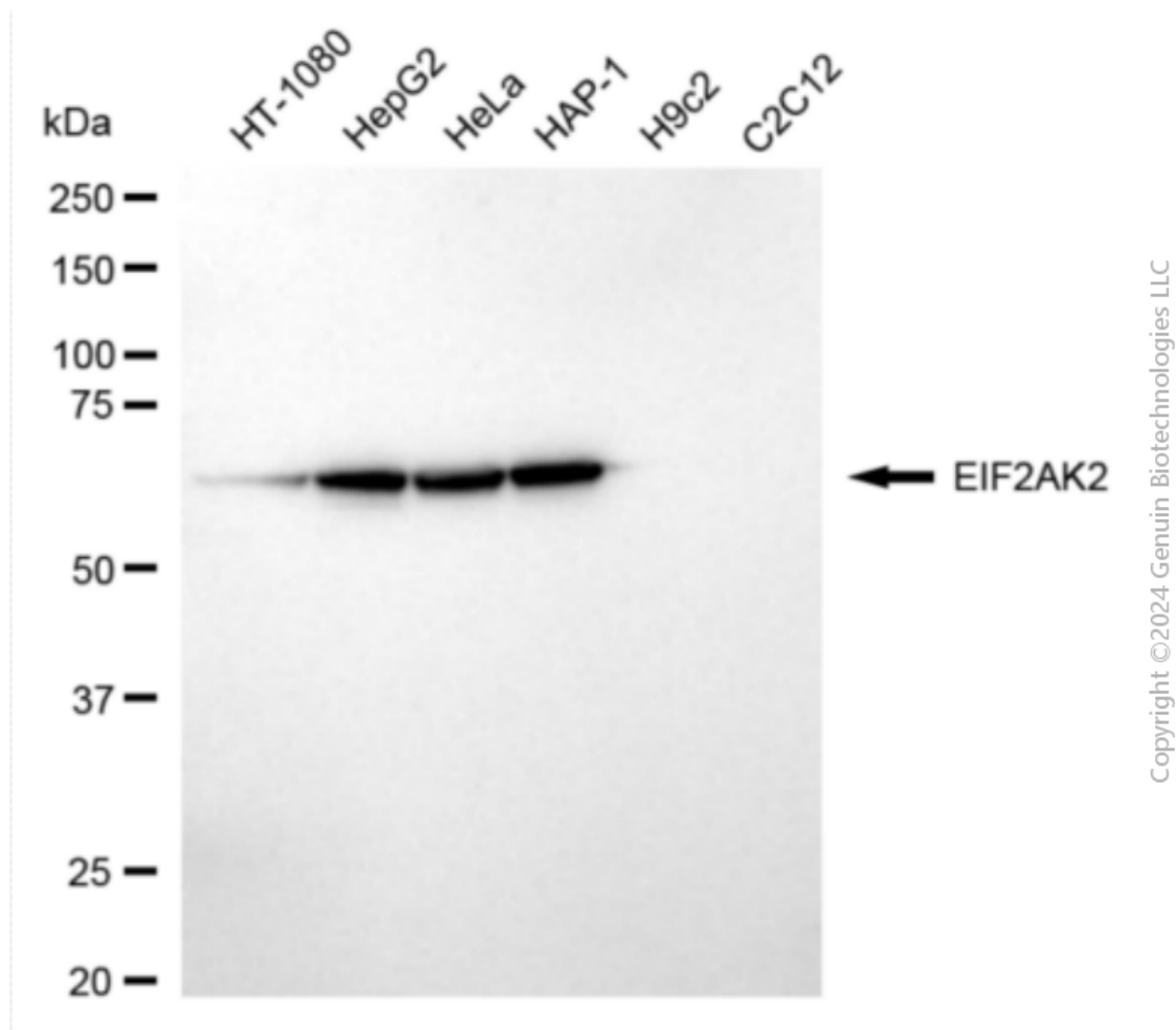
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Nuclei were stained blue with DAPI; EIF2AK2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.



Western blotting analysis using anti-EIF2AK2 antibody (Cat#3203). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-EIF2AK2 antibody (Cat#3203, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716). EIF2AK2, eukaryotic translation initiation factor 2 alpha kinase 2.