

Catalog #: 5381

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: Mouse monoclonal antibody

Clone ID: 25GB1235

Species Reactivity: Human

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

Immunogen

Recombinant protein of human PKR

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): 1:400-1:2,000

SUPPORT

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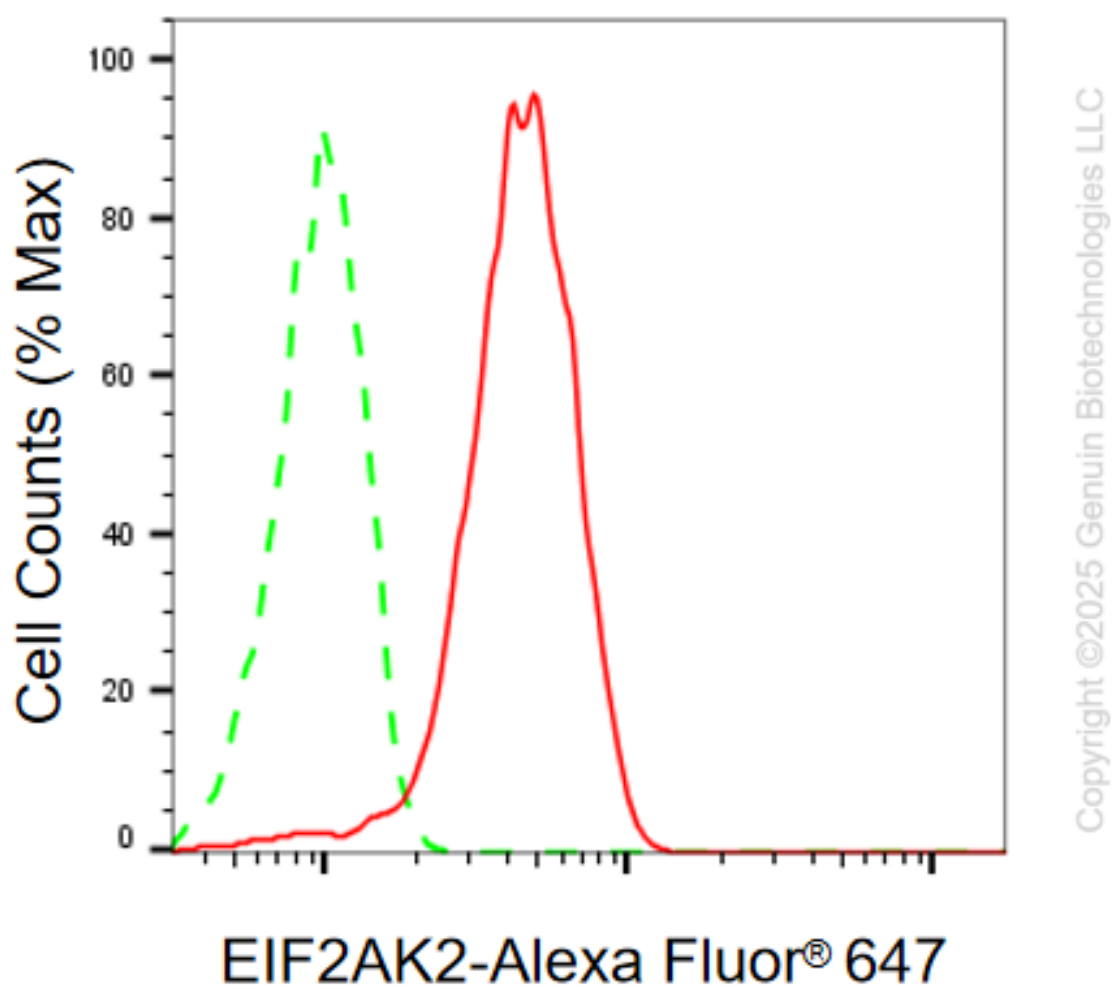
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Flow Cytometry (FCM): 1:2,000

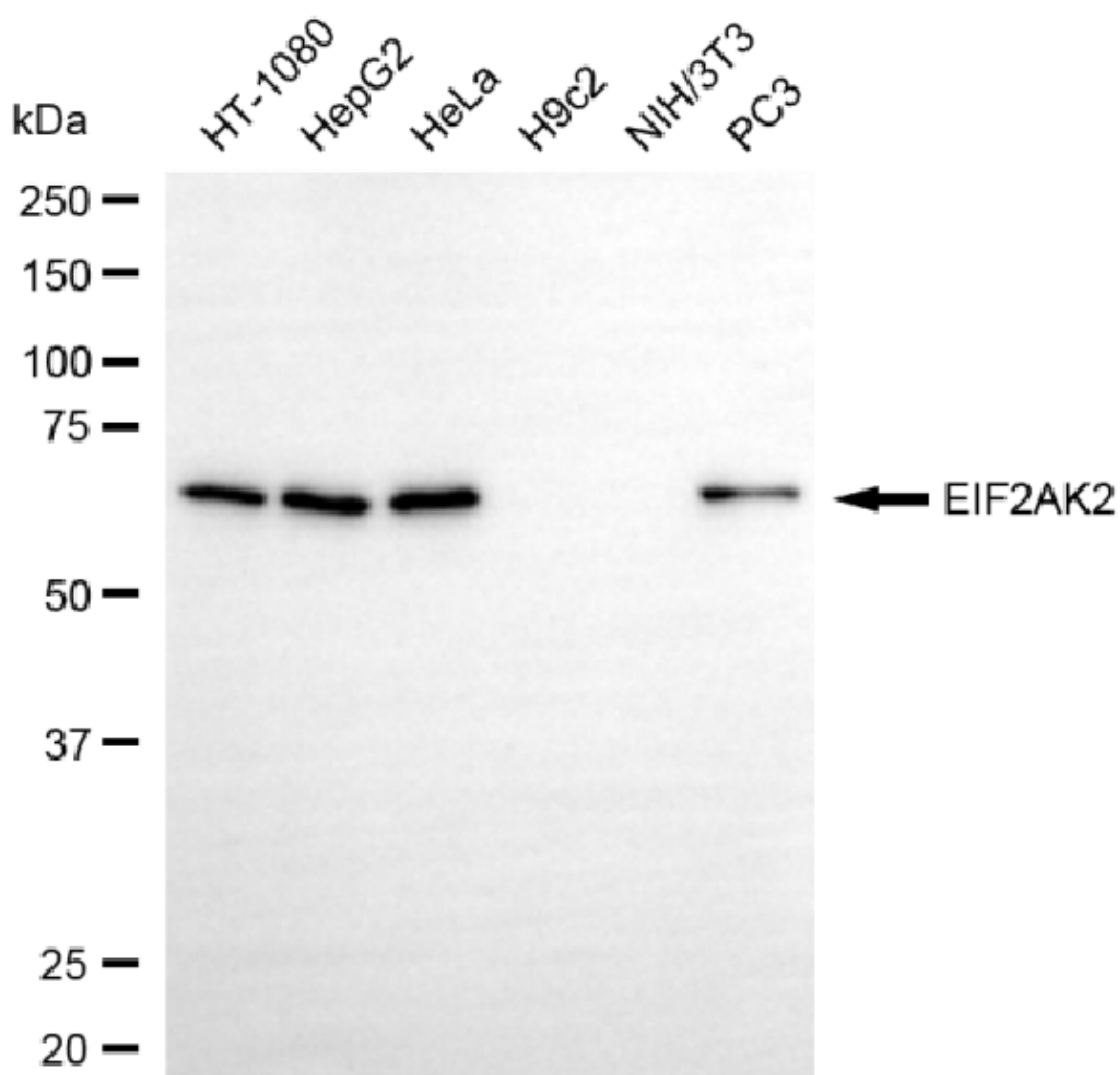
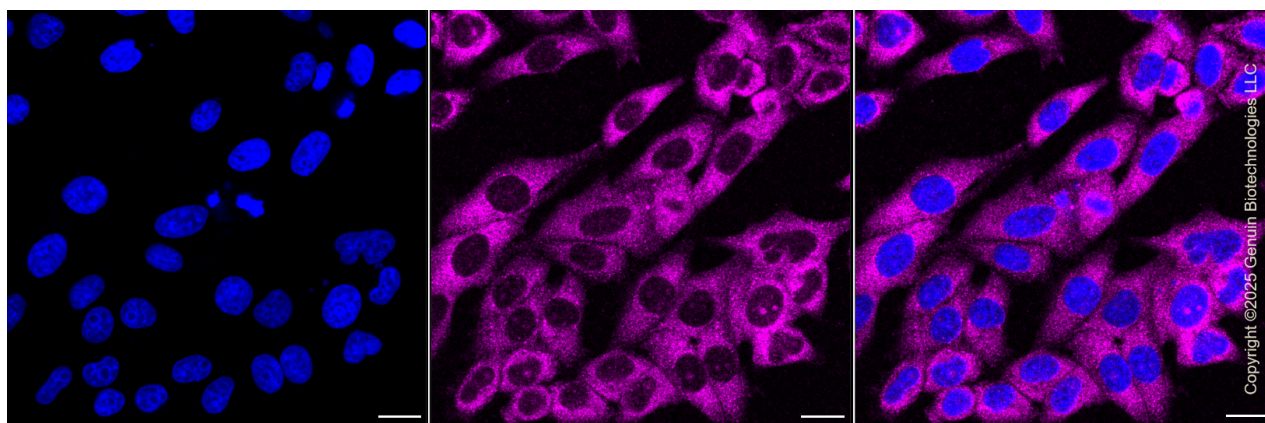
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

Validation Data



Flow cytometric analysis of EIF2AK2 expression in HepG2 cells using anti-EIF2AK2 antibody (Cat#5381, 1:2,000). Green, isotype control; red, EIF2AK2.



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Western blotting analysis using anti-EIF2AK2 antibody (Cat#5381). 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#5381, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).