

KD-Validated Anti-EIF2AK2 Mouse Monoclonal Antibody

Mouse monoclonal antibody

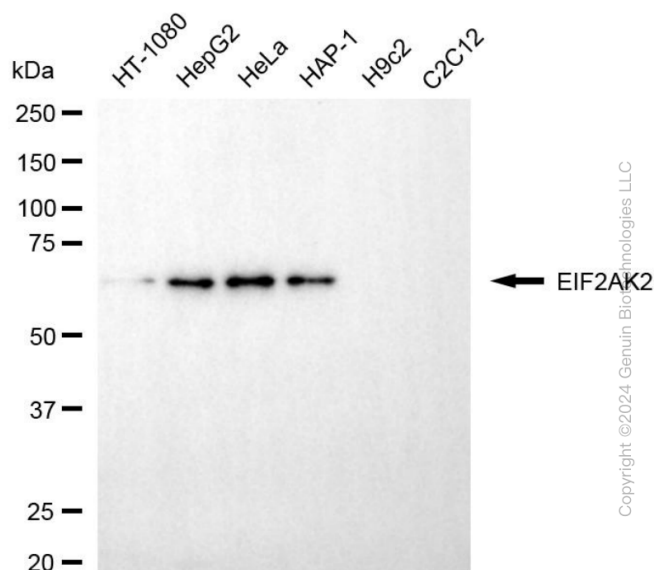
ABG1993

Product Overview

Name	KD-Validated Anti-EIF2AK2 Mouse Monoclonal Antibody
Accession(Primary)	P19525
Host Species	Mouse
Clonality	Monoclonal
Immunogen	Recombinant protein of human PKR
Species Reactivity	Human
Calculated MW	Predicted, 62 kDa, observed, 68 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

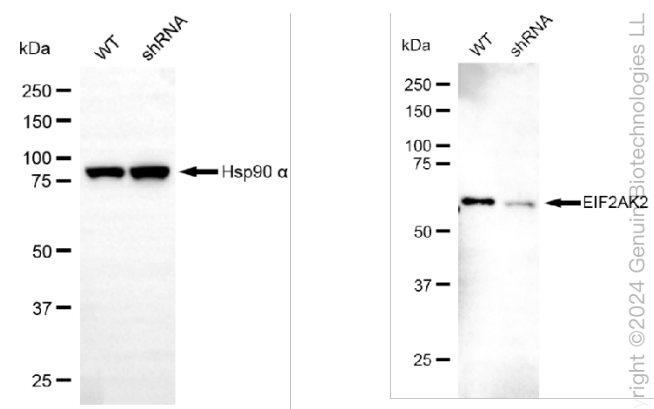
Target information (P19525)

Gene Name	EIF2AK2
About Gene Symbol	EIF2AK2 (eIF-2A protein kinase 2) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



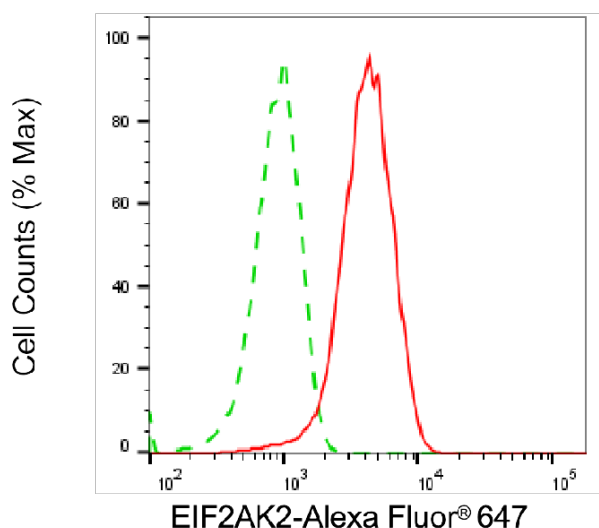
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Western blotting analysis using anti-EIF2AK2 antibody (Cat#ABG1993). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-EIF2AK2 antibody (Cat#ABG1993, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



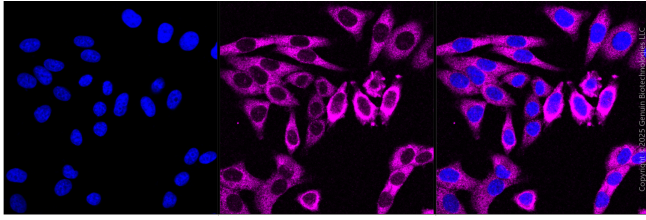
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Western blotting analysis using anti-EIF2AK2 antibody (Cat#ABG1993). EIF2AK2 expression in wild-type (WT) and EIF2AK2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-EIF2AK2 antibody (Cat#ABG1993, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



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Flow cytometric analysis of EIF2AK2 expression in HepG2 cells using anti-EIF2AK2 antibody (Cat#ABG1993, 1:2,000). Green, isotype control; red, EIF2AK2.



Immunocytochemical staining of HepG2 cells with anti-EIF2AK2 antibody (Cat#ABG1993, 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: Medium. Scale bar, 20 μ m.