

KD-Validated Anti-IRAK1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 61424

Aliases

IRAK1; Interleukin 1 Receptor Associated Kinase 1; IRAK; Interleukin-1 Receptor-Associated Kinase 1; EC 2.7.11.1; Pelle; Pelle Homolog; EC 2.7.11; IRAK-1; PELLE

Background

Gene Name: IRAK1

NCBI Gene Entry: [3654](#)

UniProt Entry: [P51617](#)

Application Information

Molecular Weight: Predicted, 77 kDa; observed, 74 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB2505

Species Reactivity: Human

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

Immunogen

A synthesized peptide derived from human IRAK

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

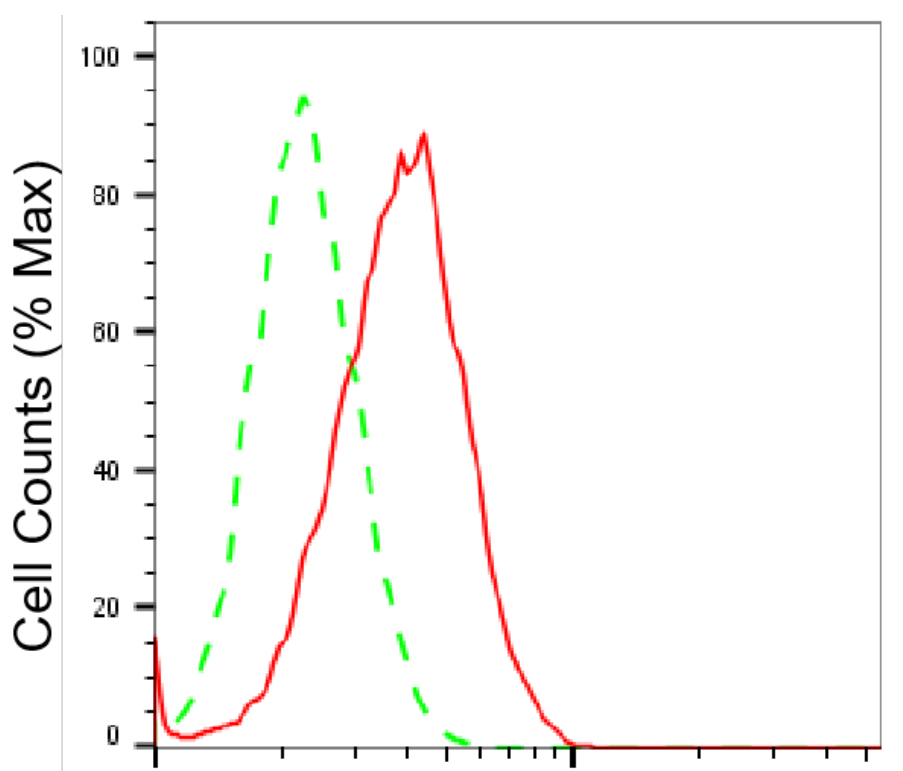
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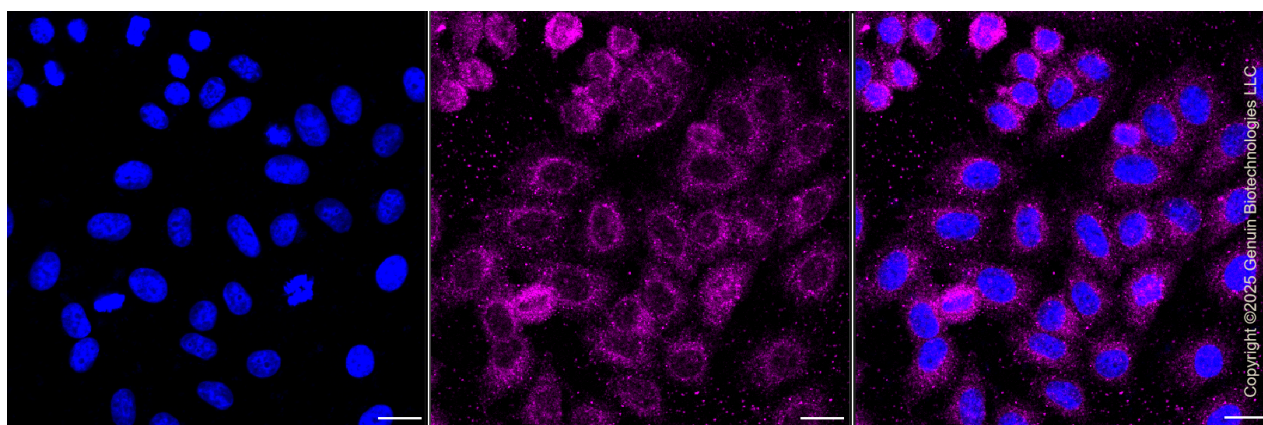
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IRAK1-Alexa Fluor® 647

Flow cytometric analysis of IRAK1 expression in HepG2 cells using IRAK1 antibody (Cat#61424, 1:2,000). Green, isotype control; red, IRAK1.



Immunocytochemical staining of HepG2 cells with anti-IRAK1 antibody (Cat#61424, 1:1,000). Nuclei were stained blue with DAPI; IRAK1 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 µm.

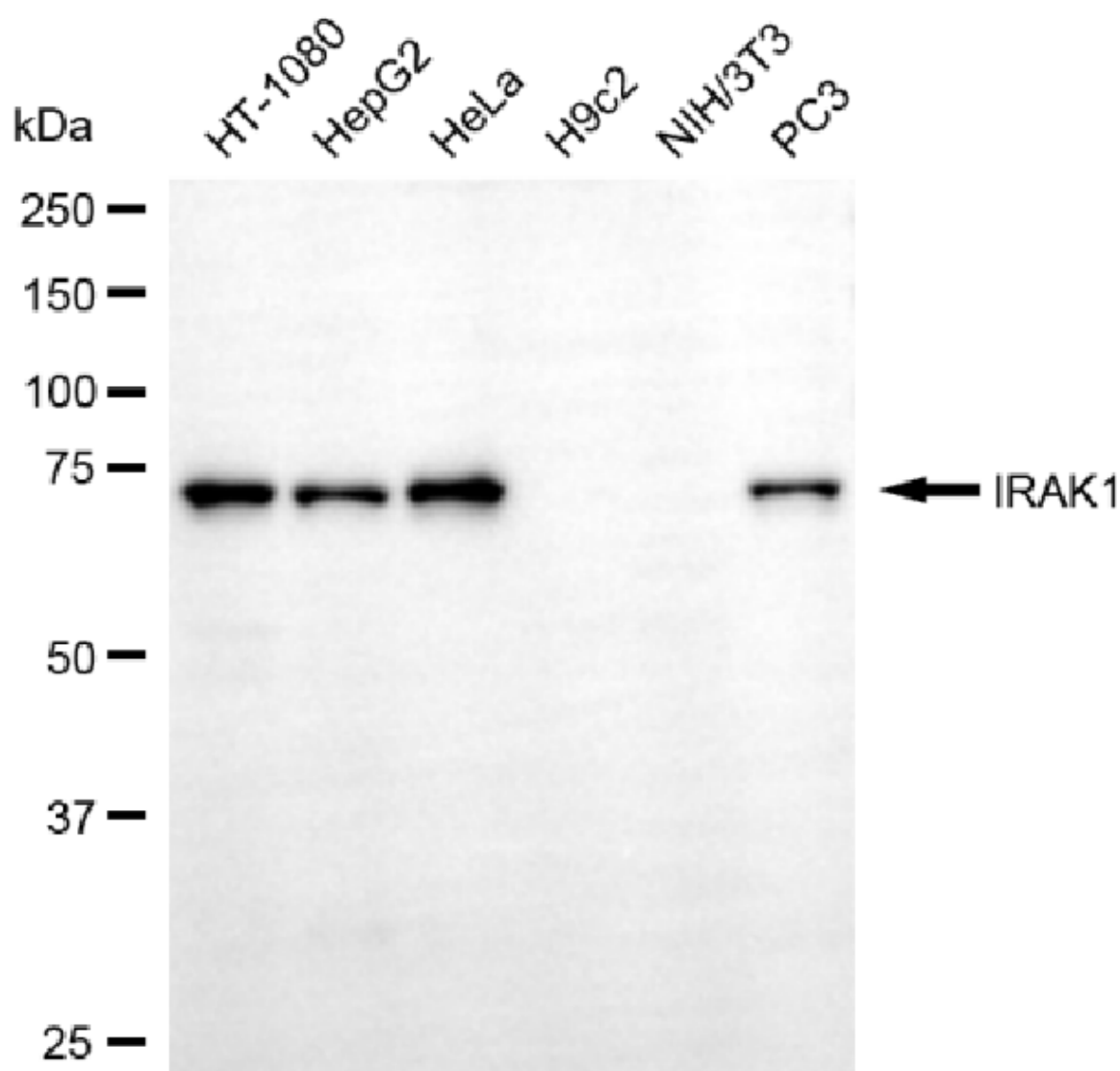
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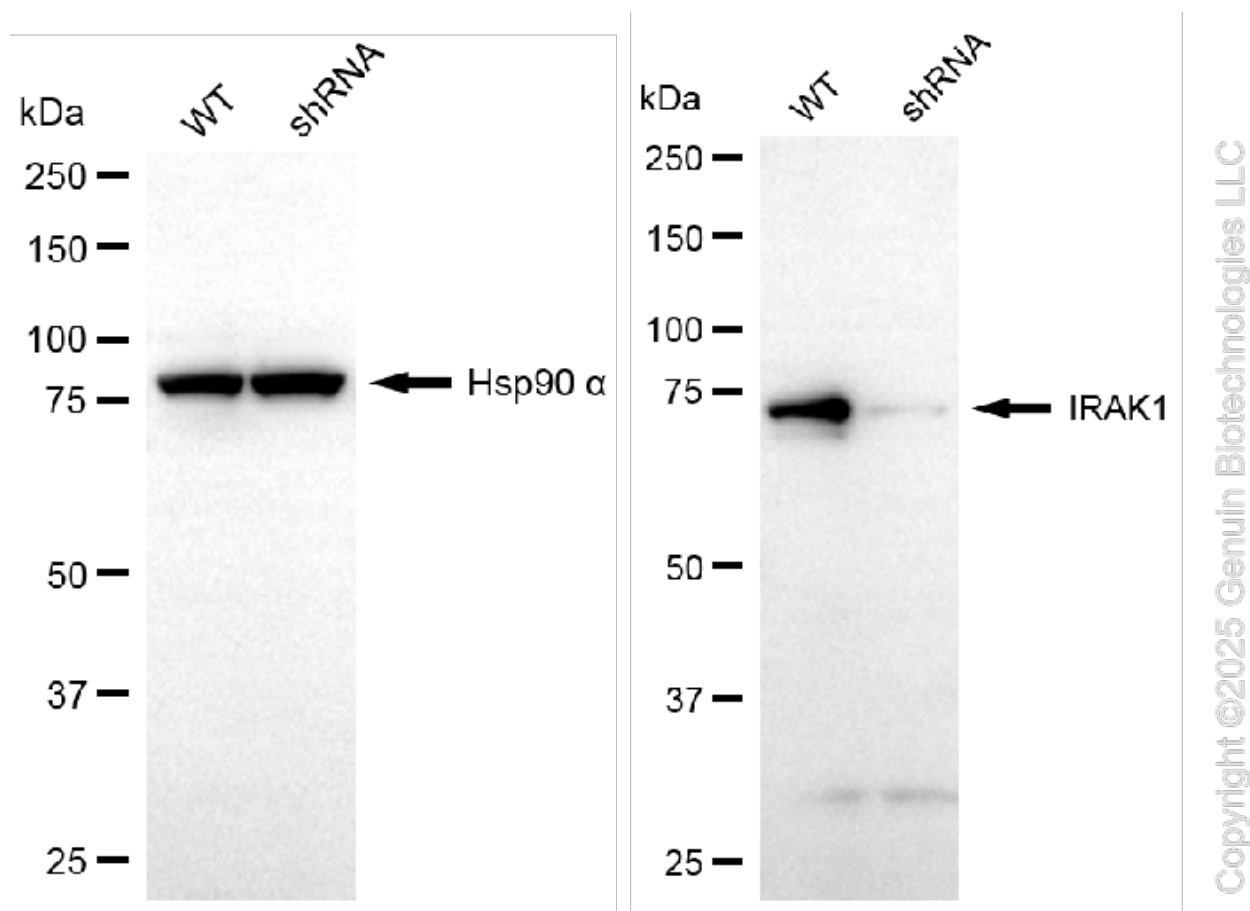
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Western blotting analysis using anti-IRAK1 antibody (Cat#61424). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-IRAK1 antibody (Cat#61424, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Western blotting analysis using anti-IRAK1 antibody (Cat#61424). IRAK1 expression in wild-type (WT) and IRAK1 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-IRAK1 antibody (Cat#61424, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).