

KD-Validated Anti-HSPA1A Recombinant Rabbit Monoclonal Antibody



Catalog #: 61561

Aliases

HSPA1A; Heat Shock Protein Family A (Hsp70) Member 1A; HSP70-1; HSPA1; Heat Shock 70 KDa Protein 1A; Heat Shock 70kDa Protein 1A; Heat Shock 70 KDa Protein 1; Heat Shock 70kD Protein 1A; HSP70.1; HSP72; Epididymis Secretory Sperm Binding Protein; DnaK-Type Molecular Chaperone HSP70-1; Epididymis Secretory Protein Li 103; Heat Shock 70 KDa Protein 1A/1B; Heat Shock 70 KDa Protein 1/2; Heat Shock 70 KDa Protein 1B; Heat Shock 70 KDa Protein 2; Heat Shock-Induced Protein; HSP70-1/HSP70-2; HSP70.1/HSP70.2; HEL-S-103; HSP70-1A; HSP70-2; HSP70.2; HSP70I; HSP70; HSX70

Background

Gene Name: HSPA1A

NCBI Gene Entry: [3303](#)

UniProt Entry: [P0DMV8](#)

Application Information

Molecular Weight: Predicted, 70 kDa; observed, 70 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB2860

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human Hsp70

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

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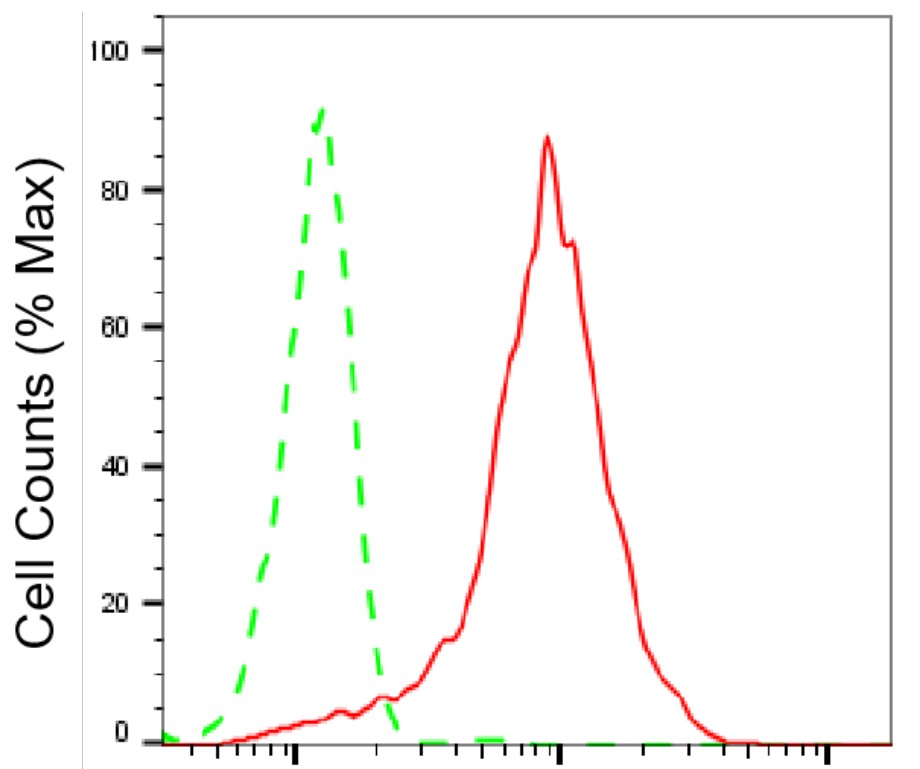
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Immunocytochemistry (IC): 1:100-1:1,000

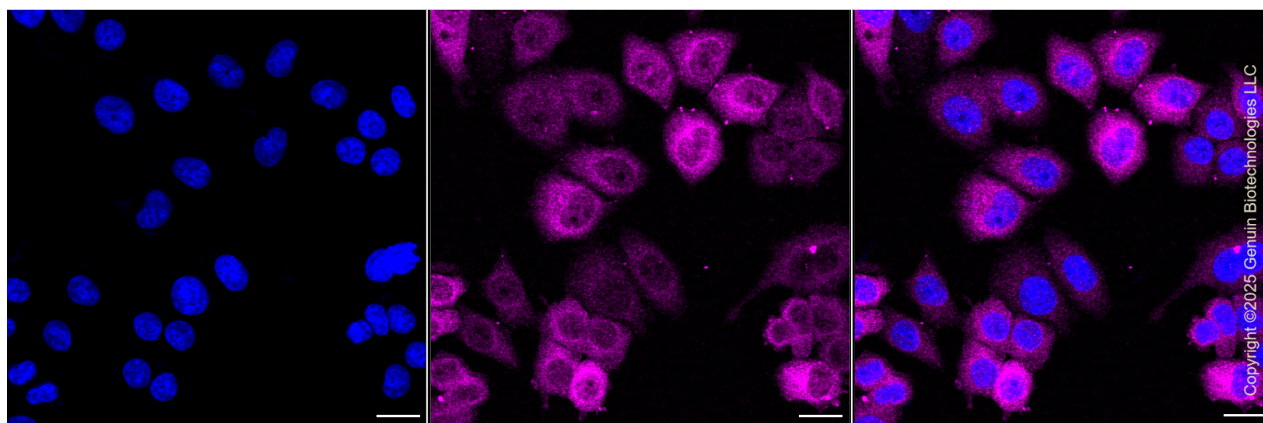
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Validation Data



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Flow cytometric analysis of Hsp70 expression in HepG2 cells using anti-Hsp70 antibody (Cat#61561, 1:2,000). Green, isotype control; red, Hsp70.



Immunocytochemical staining of HepG2 cells with anti-Hsp70 antibody (Cat#61561, 1:1000).

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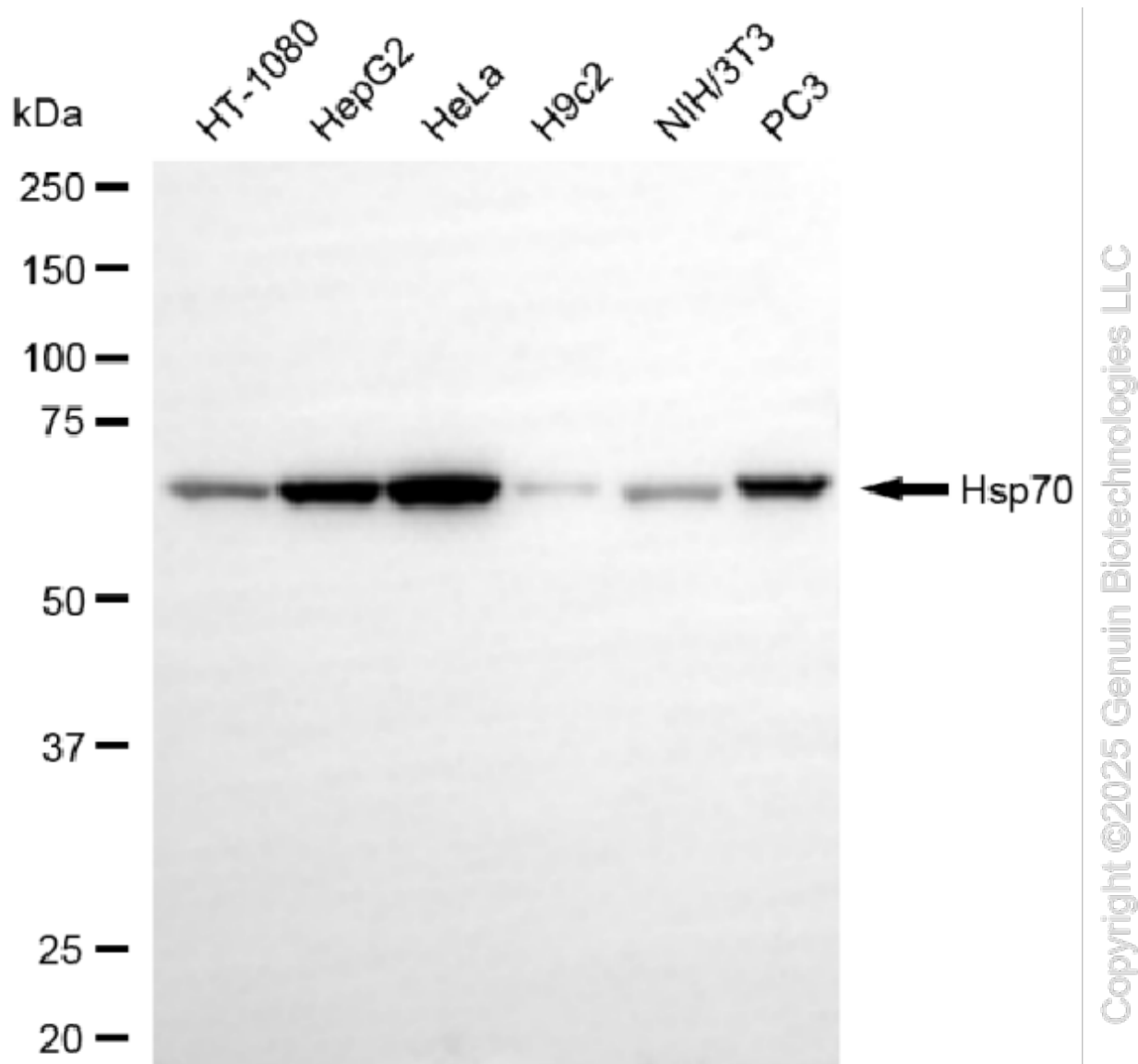
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Nuclei were stained blue with DAPI; Hsp70 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using anti-hsp70 antibody (Cat#61561). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-hsp70 antibody (Cat#61561, 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).

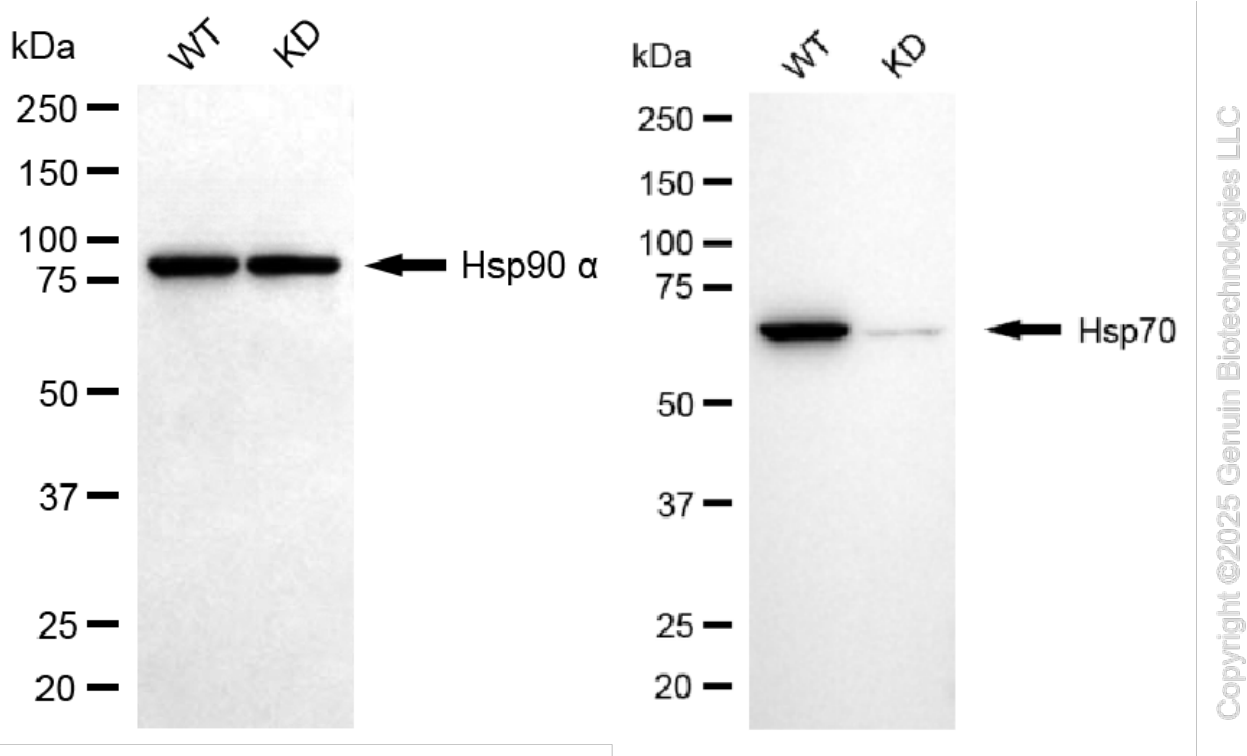
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Western blotting analysis using anti-Hsp70 antibody (Cat#61561). Hsp70 expression in wild type (WT) and HSPA1A knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Hsp70 antibody (Cat#61561, 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).