KD-Validated Anti-DDX5 Recombinant Rabbit Monoclonal Antibody

Catalog #: 61402

Aliases

DDX5; DEAD-Box Helicase 5; G17P1; HLR1; P68; DEAD/H (Asp-Glu-Ala-Asp/His); Box Polypeptide 5 (RNA Helicase, 68kD); DEAD (Asp-Glu-Ala-Asp) Box; Polypeptide 5; Probable ATP-Dependent RNA Helicase DDX5; DEAD (Asp-Glu-Ala-Asp) Box Helicase 5; DEAD Box Protein 5; RNA Helicase P68; ATP-Dependent RNA Helicase DDX5; EC 3.6.4.13; DEAD Box-5; EC 3.6.1; HUMP68; HELR

Background

Gene Name: DDX5
NCBI Gene Entry: 1655
UniProt Entry: P17844

Application Information

Molecular Weight: Predicted, 69 kDa, observed, 69 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB3550
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC), immunohistochemistry (IHC)

Immunogen

A synthesized peptide derived from human DDX5

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

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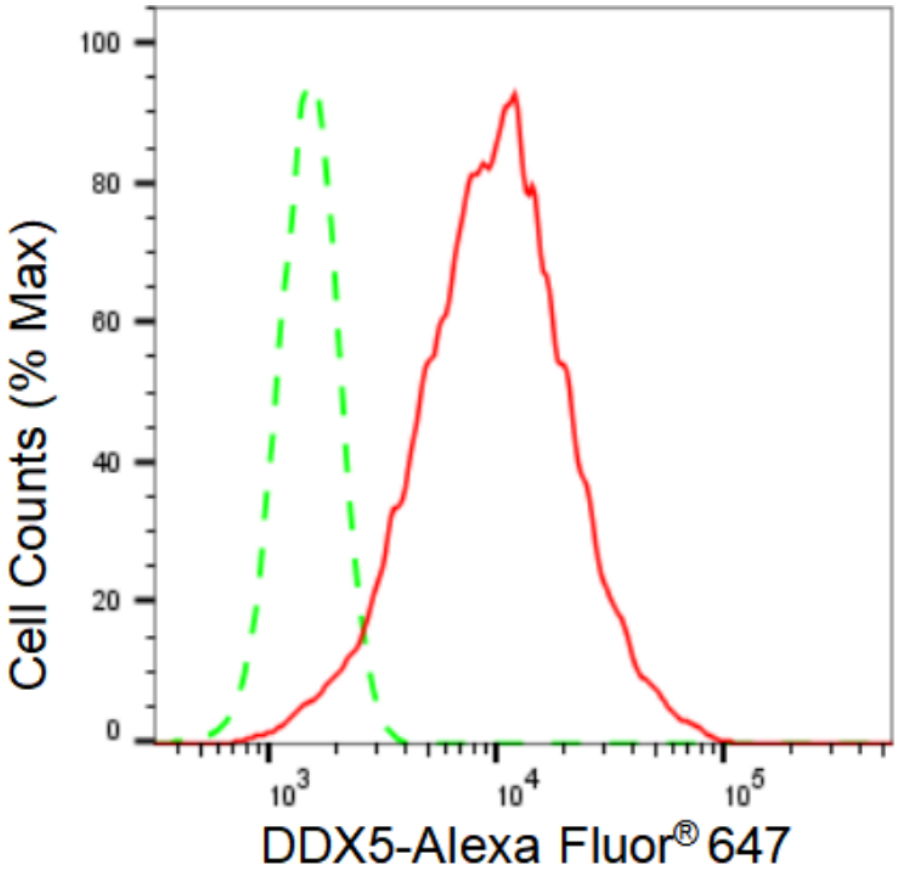
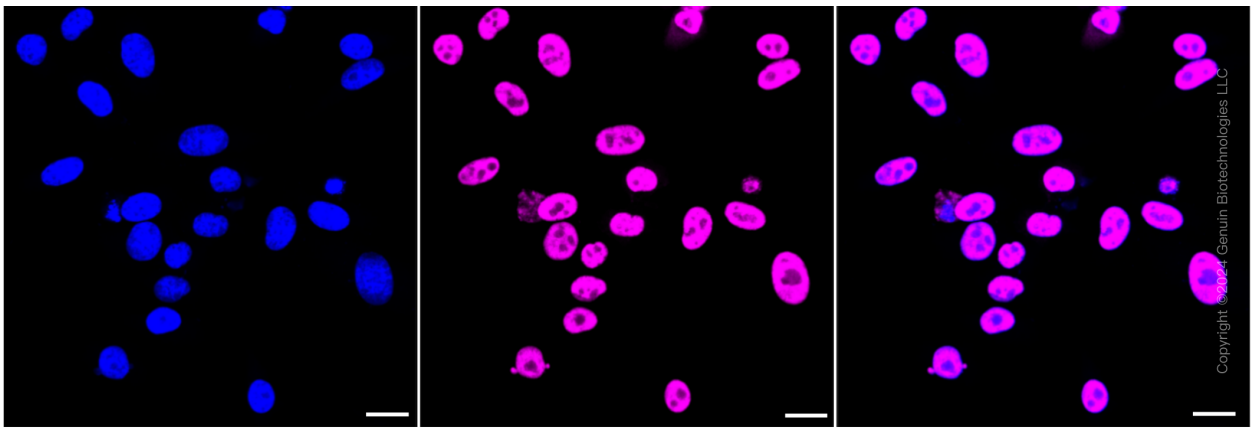
Immunohistochemistry (IHC): 1:100-1:200

Note: This product is for research use only.

Validation Data

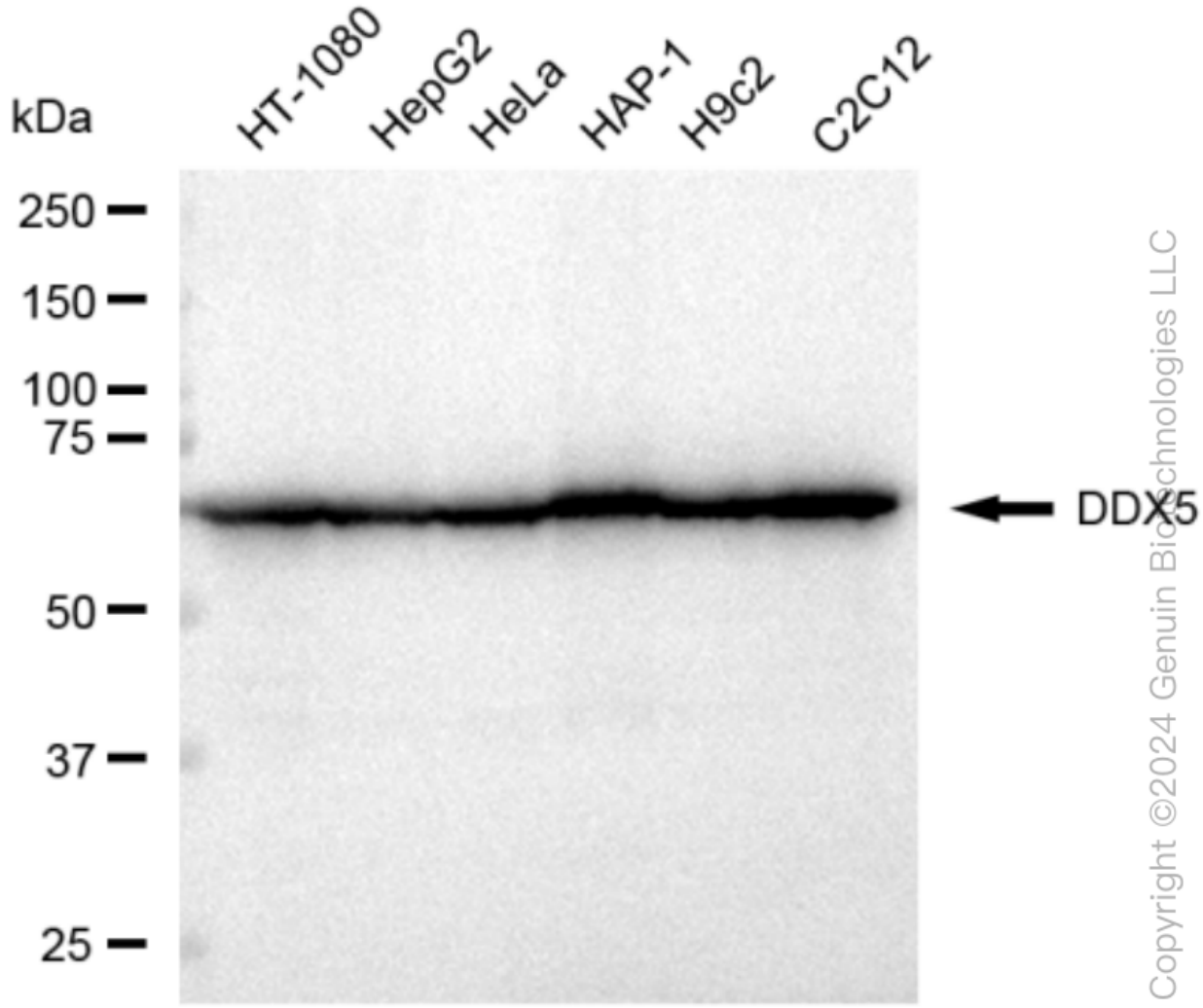


Flow cytometric analysis of DDX5 expression in HepG2 cells using DDX5 antibody (Cat#61402, 1:2,000). Green, isotype control; red, DDX5.



Immunocytochemical staining of HepG2 cells with DDX5 antibody (Cat#61402, 1:1,000). Nuclei

were stained blue with DAPI; DDX5 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Western blotting analysis using anti-DDX5 antibody (Cat#61402). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-DDX5 antibody (Cat#61402, 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).

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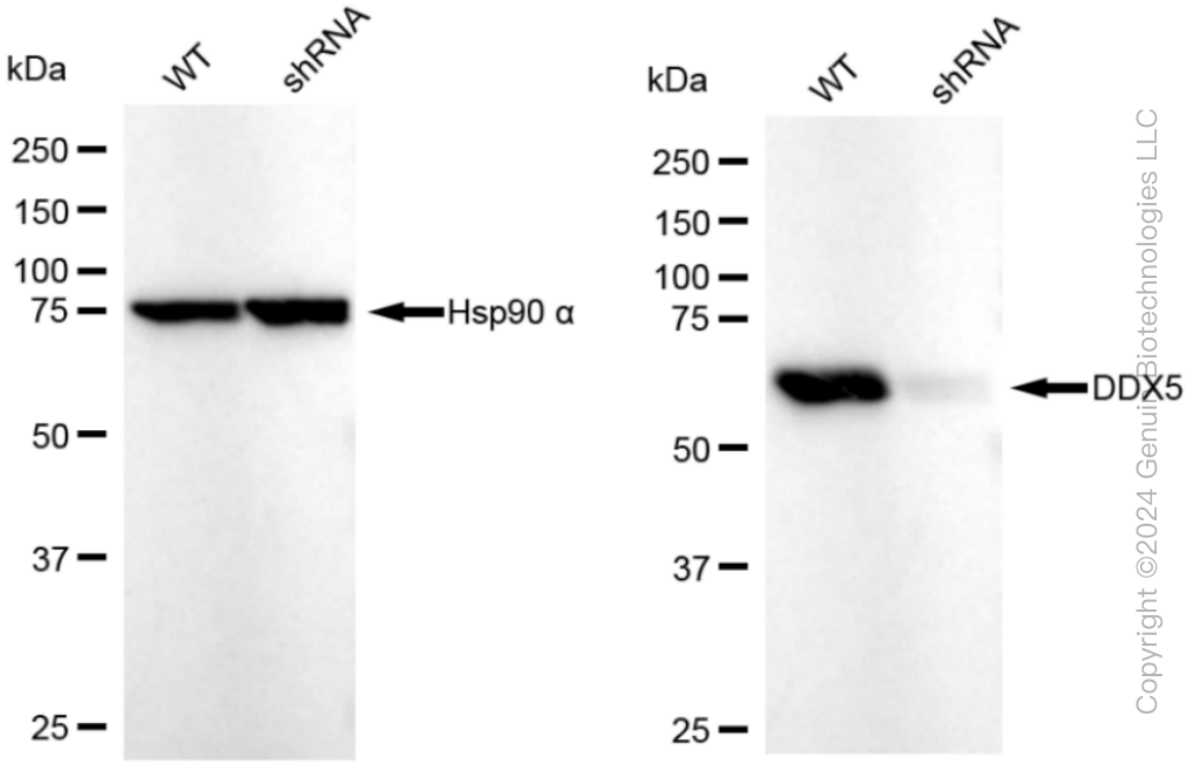

Western blotting analysis using anti-DDX5 antibody (Cat#61402). DDX5 expression in wild type (WT) and DDX5 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-DDX5 antibody (Cat#61402, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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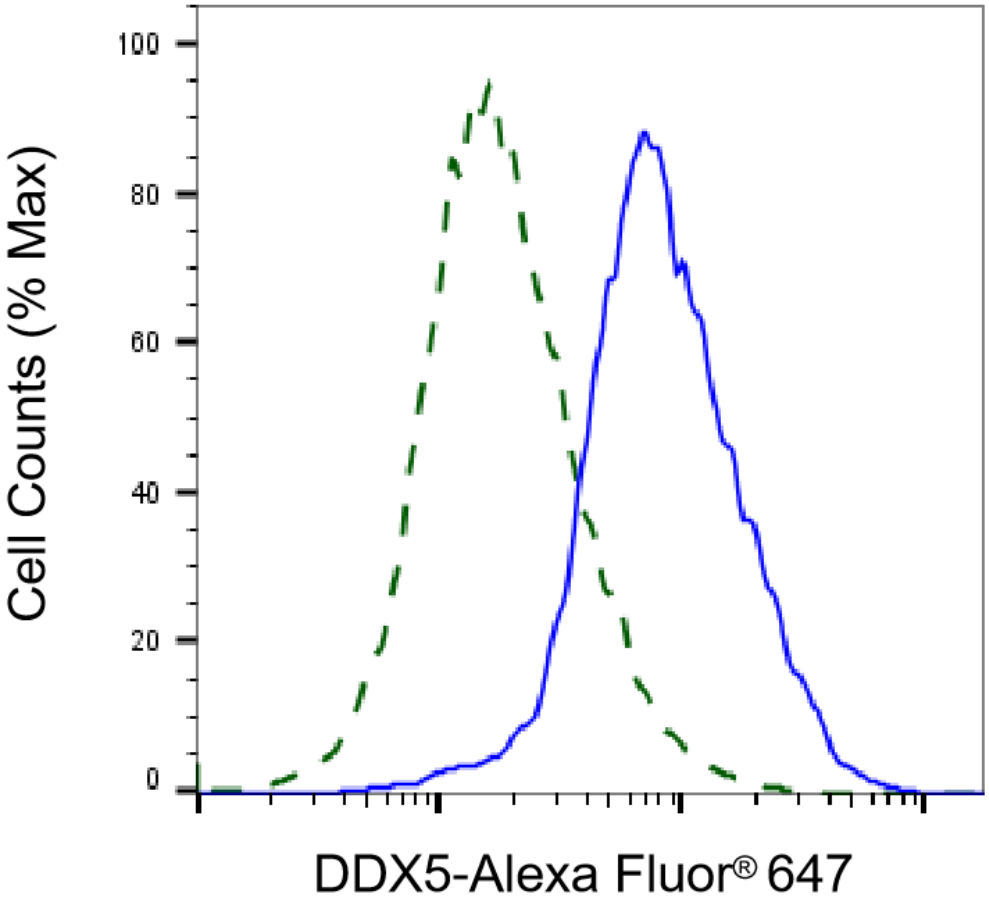

Validation of DDX5 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-DDX5 antibody (Cat#61402, 1:2,000) and analyzed using BD flow cytometer.

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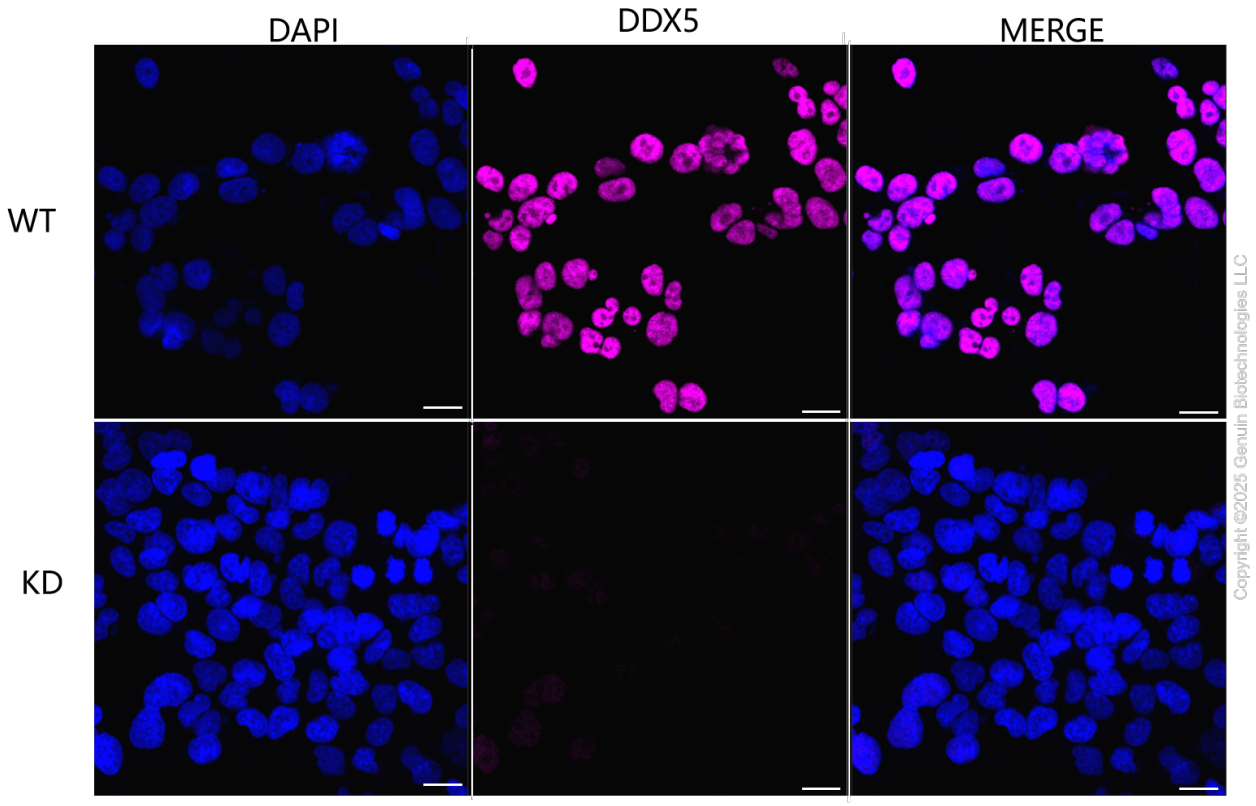
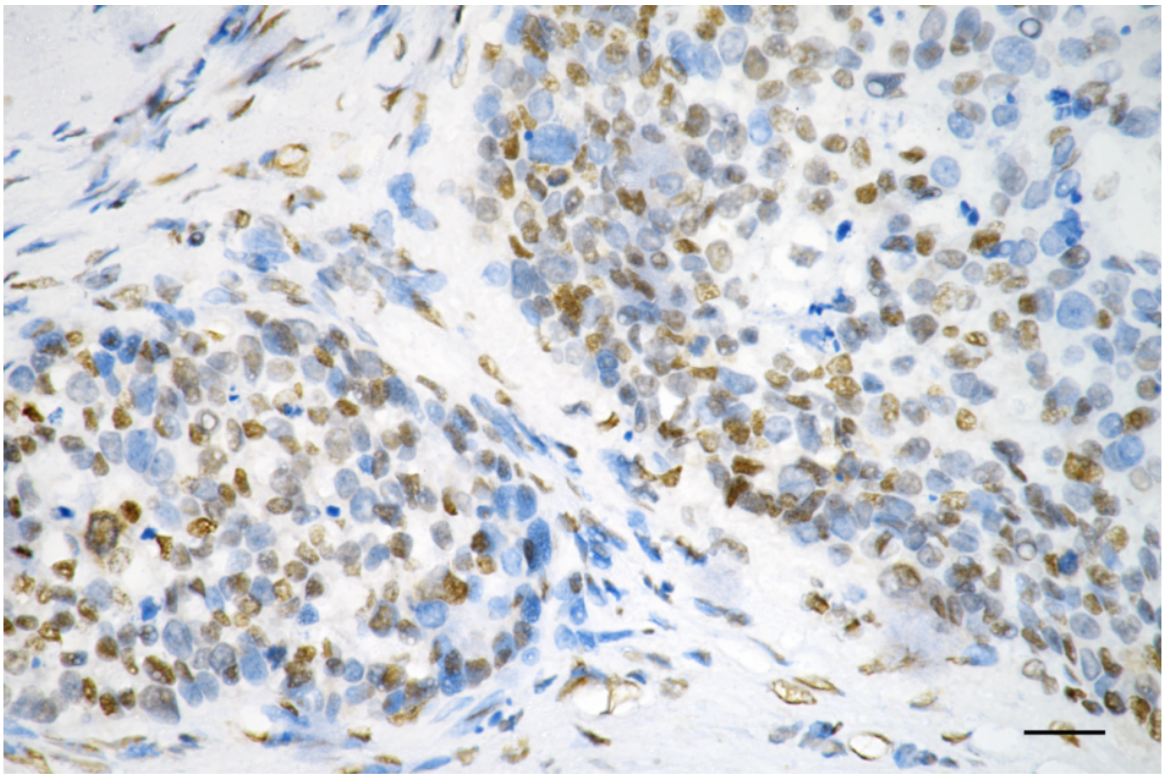


Immunocytochemical staining of HeLa cells using anti-DDX5 antibody (Cat#61402, 1:1,000), Top panel: wild-type (WT); Bottom panal: DDX5 shRNA knockdown (KD). Nuclei were stained blue with DAPI; DDX5 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using anti-DDX5 antibody (Cat#61402, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.