

KD-Validated Anti-Desmoplakin Recombinant Rabbit Monoclonal Antibody



Catalog #: 61940

Aliases

DSP; Desmoplakin; 250/210 KDa Paraneoplastic Pemphigus Antigen; KPPS2; PPKS2; DP2; DP1; DP; Desmoplakin (DPI, DP2); DCWHKTA

Background

Gene Name: DSP

NCBI Gene Entry: [1832](#)

UniProt Entry: [P15924](#)

Application Information

Molecular Weight: Predicted, 332 kDa, observed, 270 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB5220

Species Reactivity: Human

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

Immunogen

A synthesized peptide derived from human Desmoplakin

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

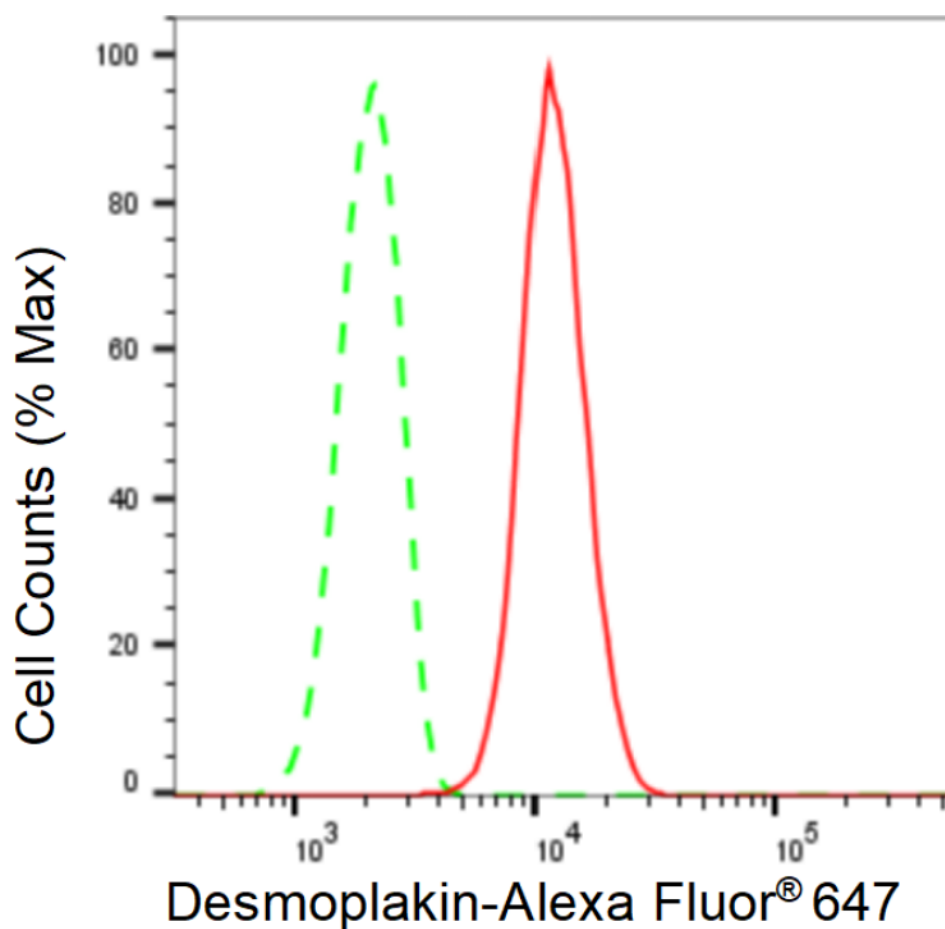
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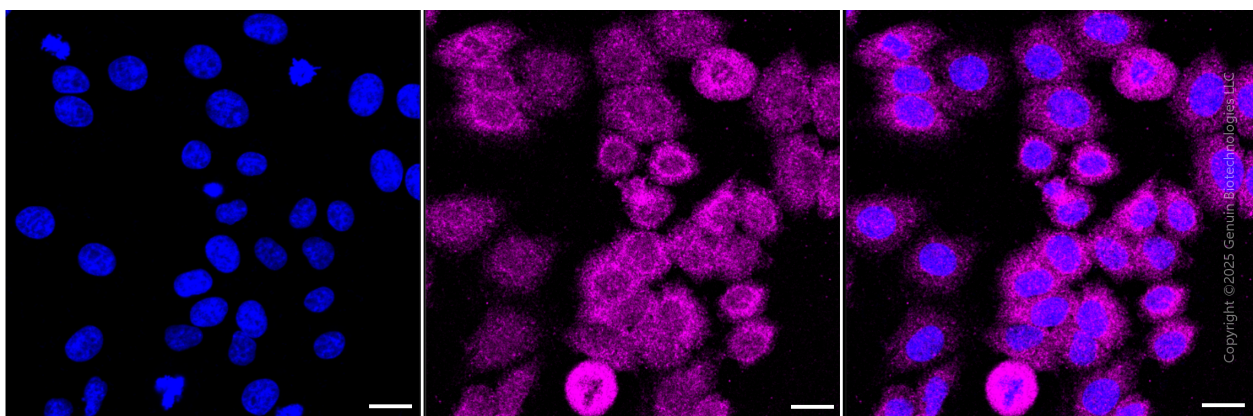
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Flow cytometric analysis of Desmoplakin expression in HepG2 cells using Desmoplakin antibody (Cat#61940, 1:2,000). Green, isotype control; red, Desmoplakin.



Immunocytochemical staining of HepG2 cells with anti-Desmoplakin antibody (Cat#61940, 1:1,000). Nuclei were stained blue with DAPI; Desmoplakin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 μ m.

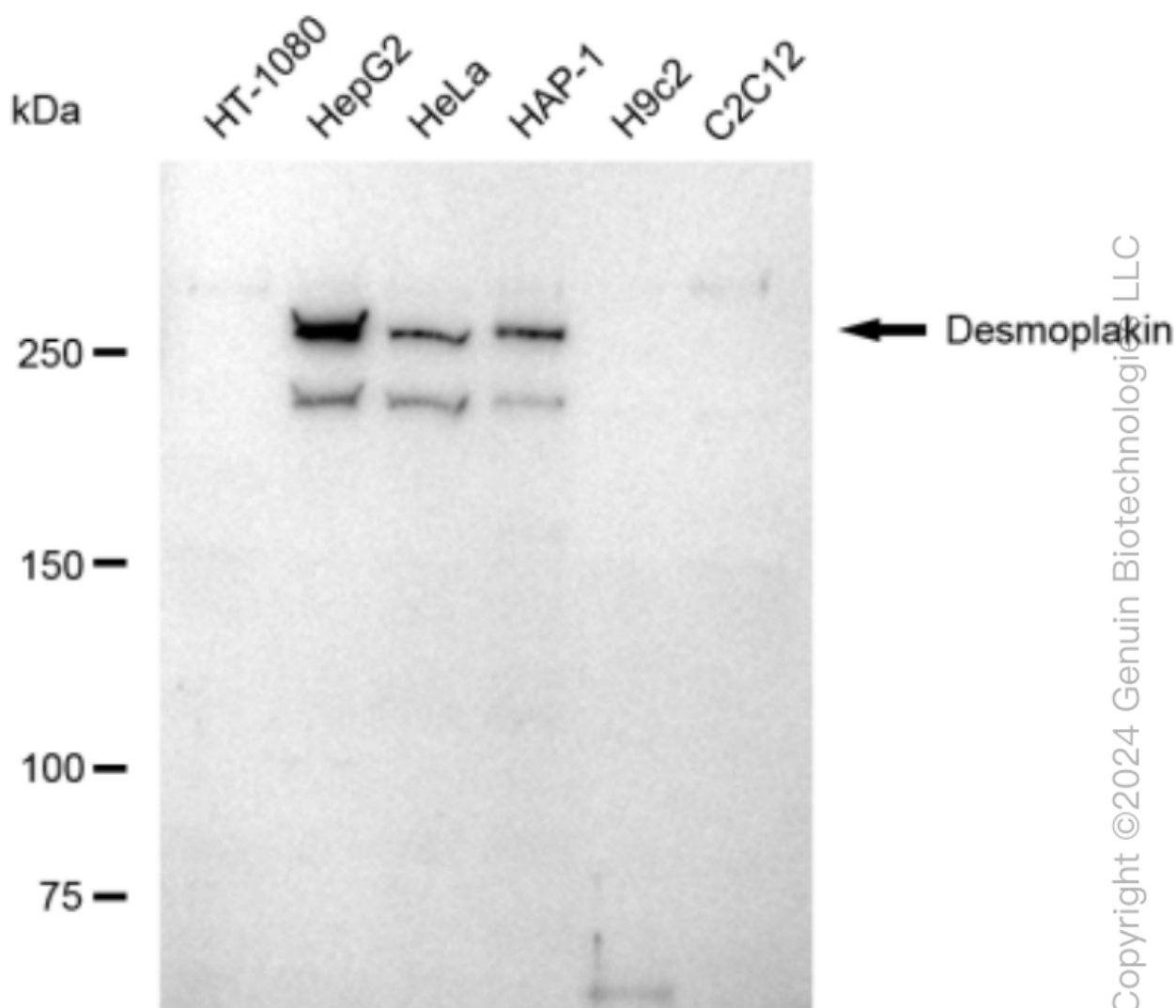
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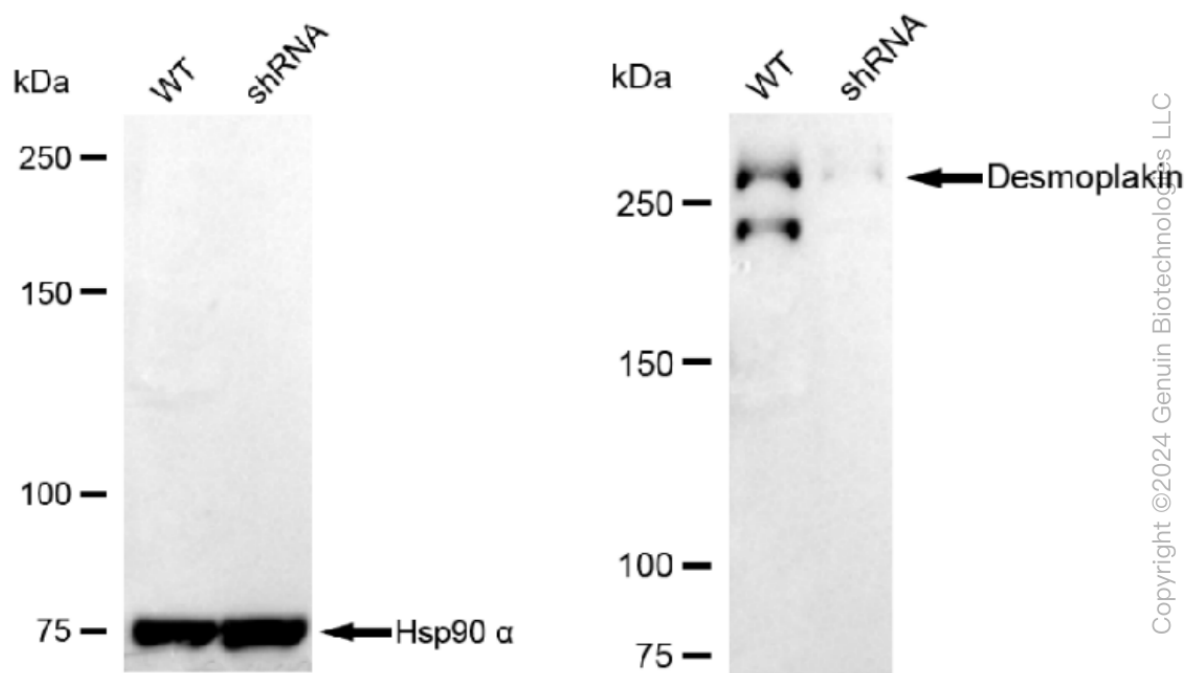
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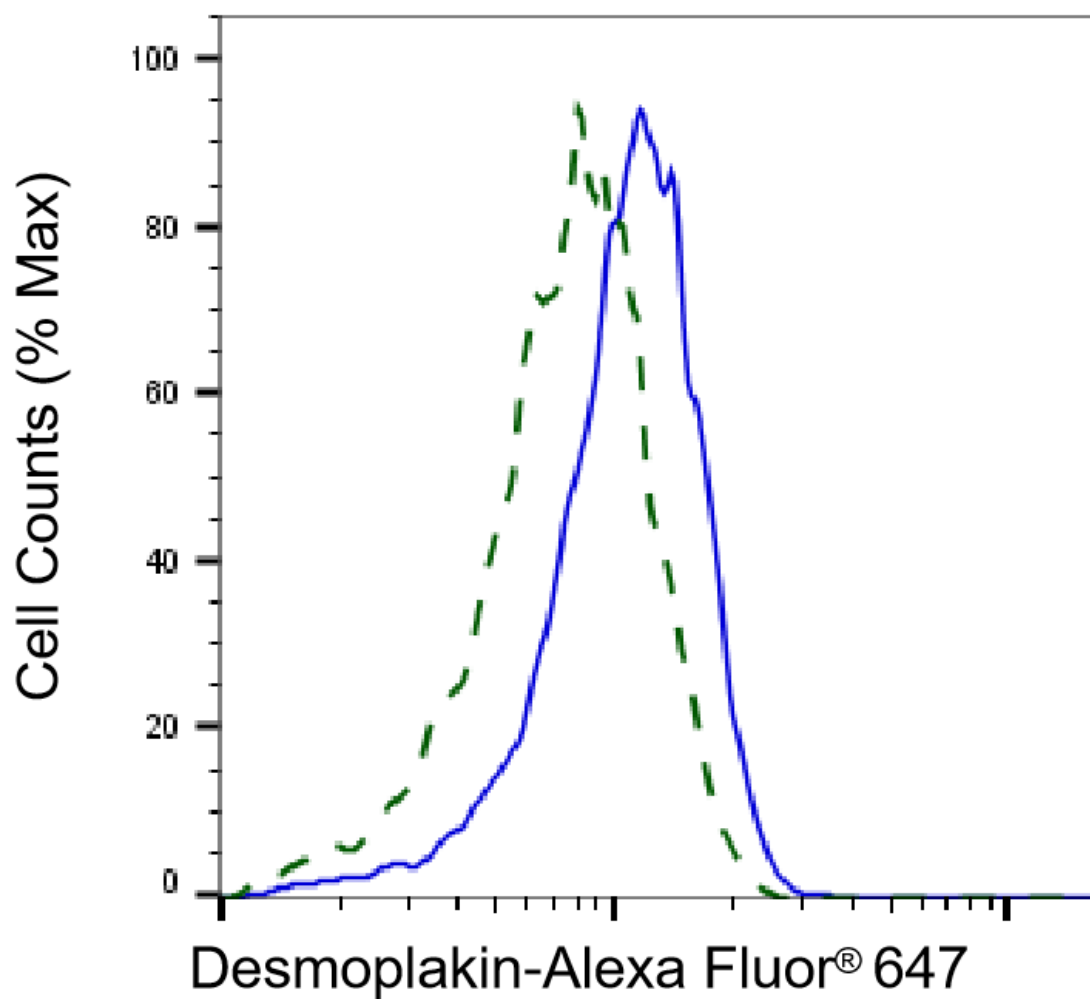
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Western blotting analysis using anti-Desmoplakin antibody (Cat#61940). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Desmoplakin antibody (Cat#61940, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-Desmoplakin antibody (Cat#61940). Desmoplakin expression in wild type (WT) and Desmoplakin shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Desmoplakin antibody (Cat#61940, 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 Desmoplakin knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-Desmoplakin antibody (Cat#61940, 1:2,000) and analyzed using BD flow cytometer.