

KD-Validated Anti-SMYD4 Mouse Monoclonal Antibody



Catalog #: 65555

Aliases

SMYD4; SET And MYND Domain Containing 4; KIAA1936; ZMYND21; SET And MYND Domain-Containing Protein 4; EC 2.1.1.-

Background

Gene Name: SMYD4

NCBI Gene Entry: [114826](#)

UniProt Entry: [Q8IYR2](#)

Application Information

Molecular Weight: Predicted, 89 kDa; observed, 75 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 25GB4235

Species Reactivity: Human

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

Immunogen

Recombinant protein of human SMYD4

Isotype

Mouse IgG1

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): 1:400-1:2,000

Flow Cytometry (FCM): 1:2,000

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

Note: This product is for research use only.

Validation Data

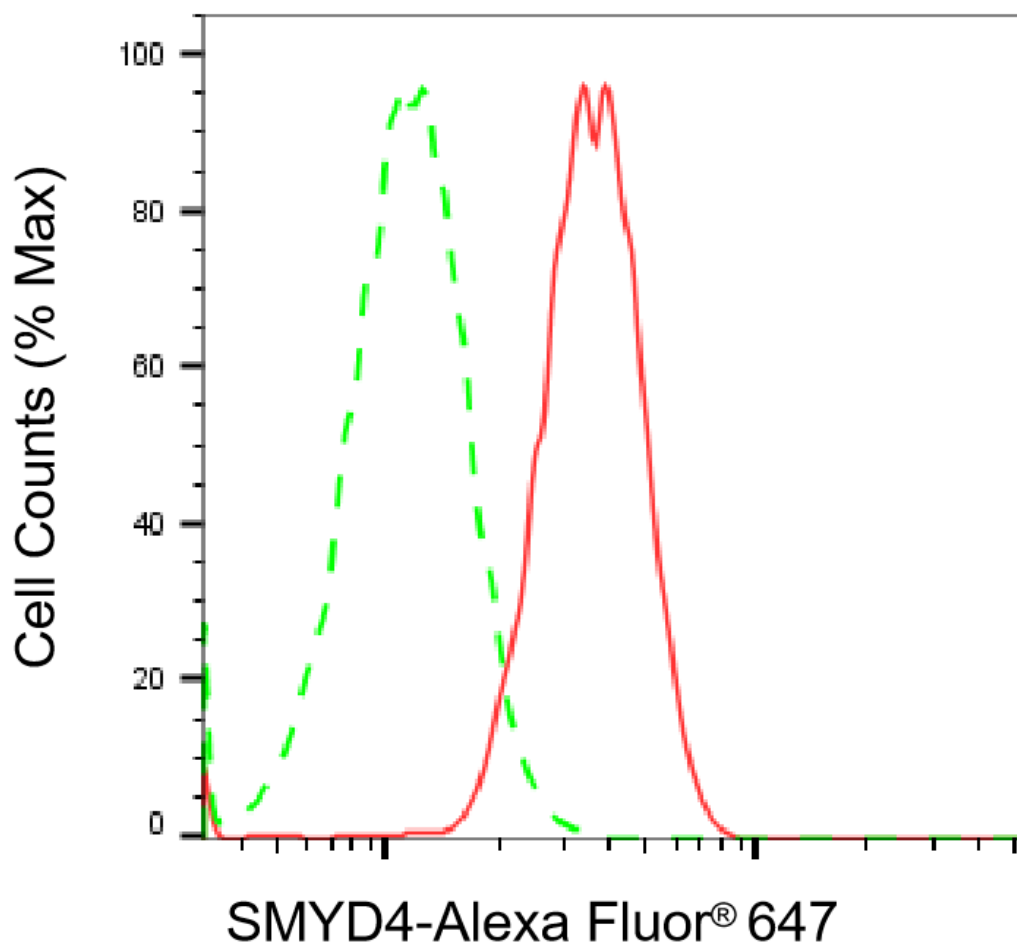
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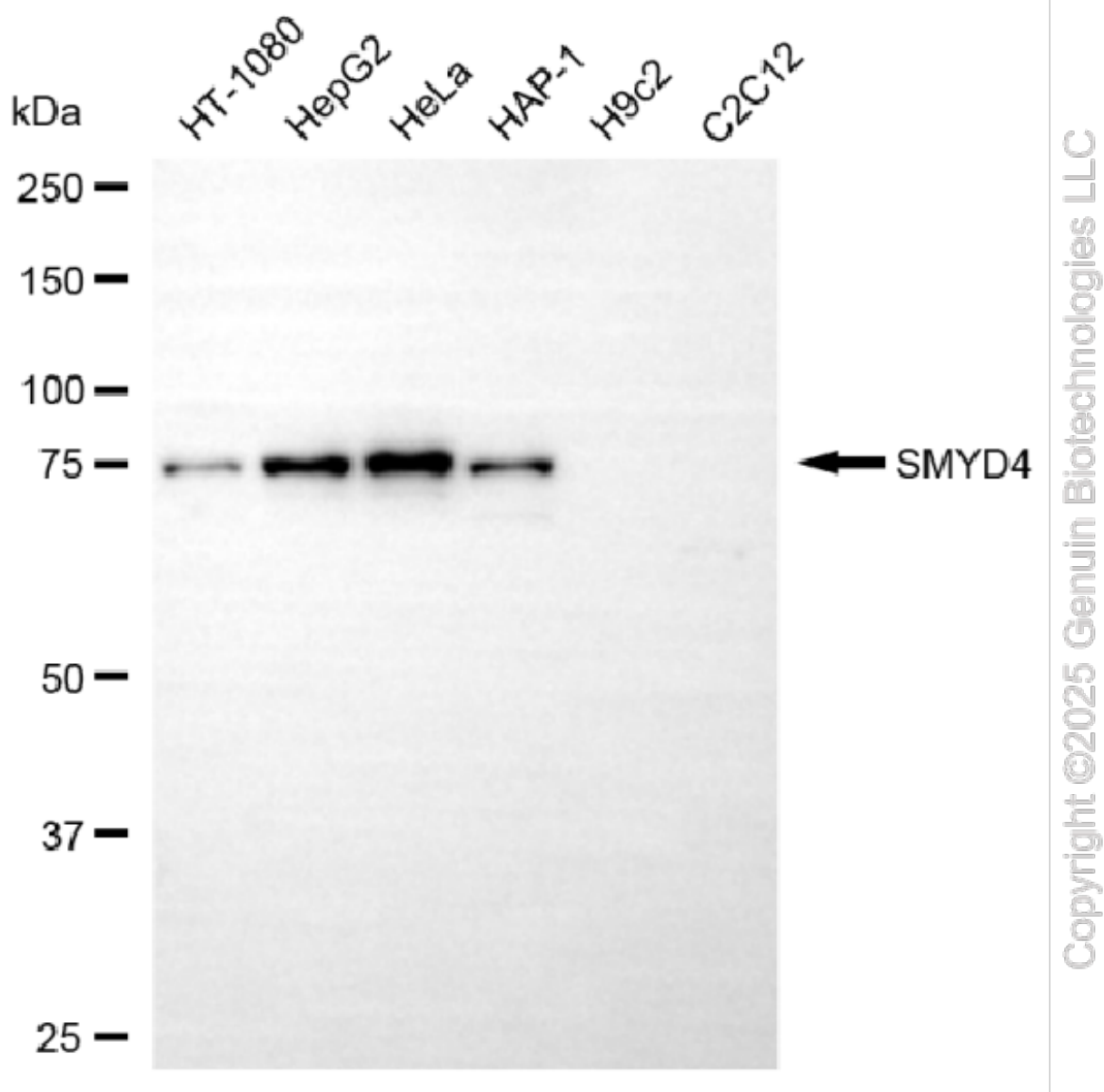
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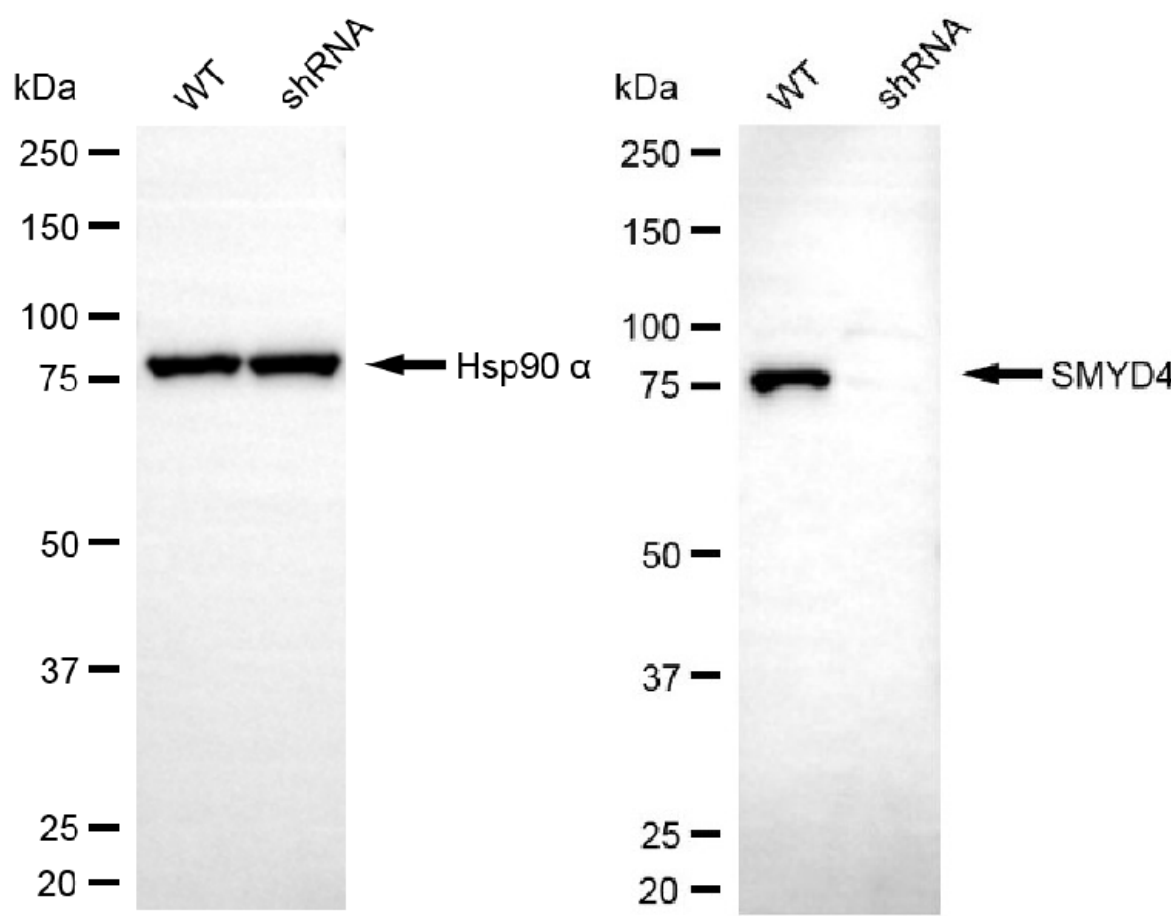


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Flow cytometric analysis of SMYD4 expression in HepG2 cells using anti-SMYD4 antibody (Cat#65555, 1:2,000). Green, isotype control; red, SMYD4.

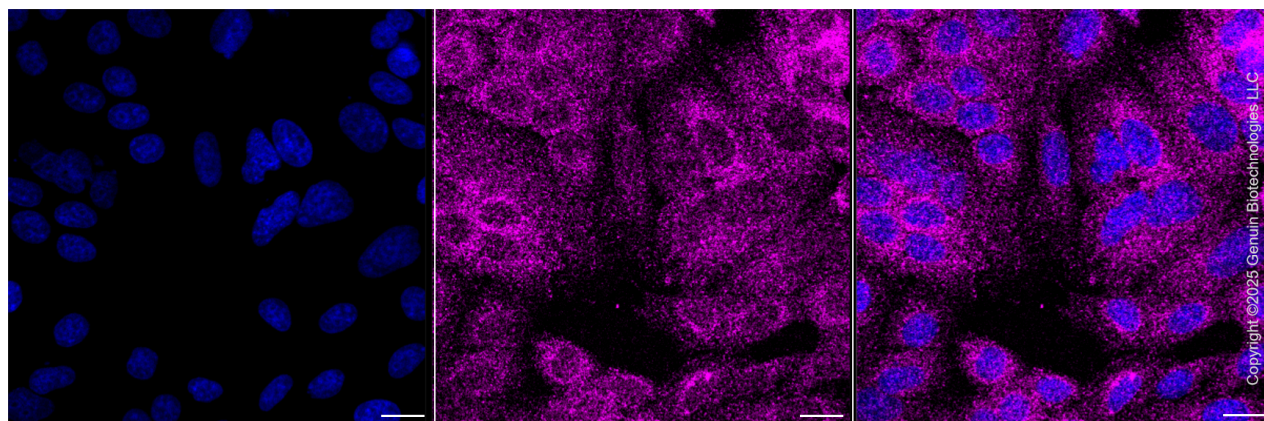


Western blotting analysis using anti-SMYD4 antibody (Cat#65555). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SMYD4 antibody (Cat#65555, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Western blotting analysis using anti-SMYD4 antibody (Cat#65555). SMYD4 expression in wild-type (WT) and SMYD4 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-SMYD4 antibody (Cat#65555, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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Immunocytochemical staining of HepG2 cells with anti-SMYD4 antibody (Cat#65555, 1:1,000). Nuclei were stained blue with DAPI; SMYD4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart

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PAGE 5

gain: Low. Scale bar, 20 μ m.

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