

KD-Validated Anti-Integrin β 1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 64731

Aliases

Integrin Subunit Beta 1; GPIIA; MSK12; CD29; FNRR; MDF2; Integrin, Beta 1 (Fibronectin Receptor, Beta Polypeptide, Antigen CD29 Includes MDF2, MSK12); Glycoprotein IIa; Integrin Beta-1; Very Late Activation Protein, Beta Polypeptide; Fibronectin Receptor Subunit Beta; Integrin VLA-4 Beta Subunit; VLA-4 Subunit Beta; Integrin Beta 1; CD29 Antigen; VLA-BETA; VLAB

Background

Gene Name: ITGB1

NCBI Gene Entry: [3688](#)

UniProt Entry: [P05556](#)

Application Information

Molecular Weight: Predicted, 88 kDa, observed, 130-150 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB895

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human Integrin beta 1

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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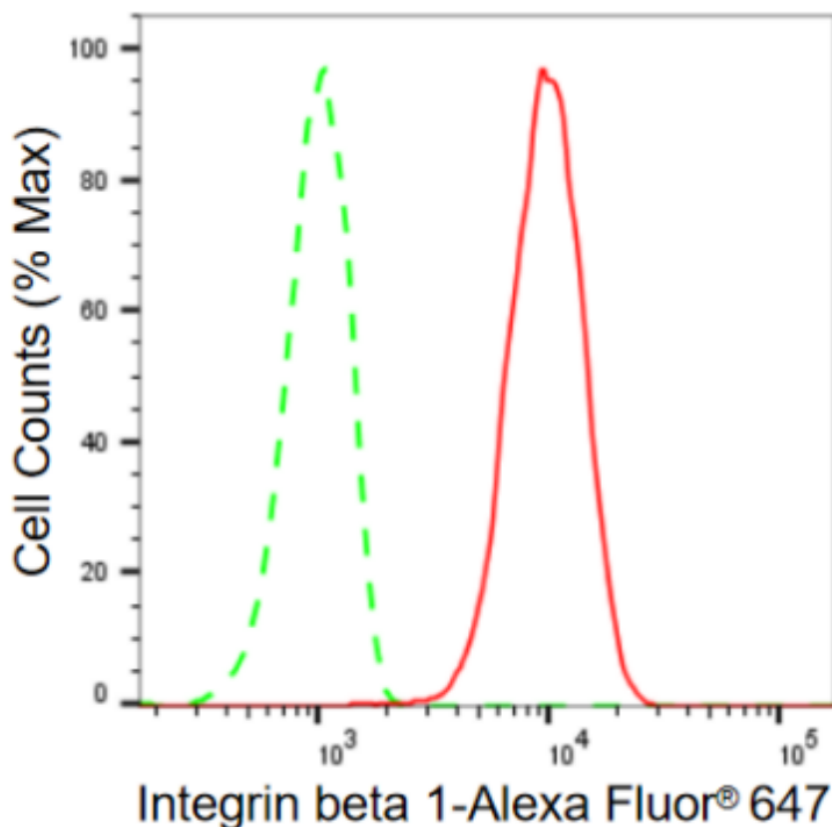
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PAGE 2

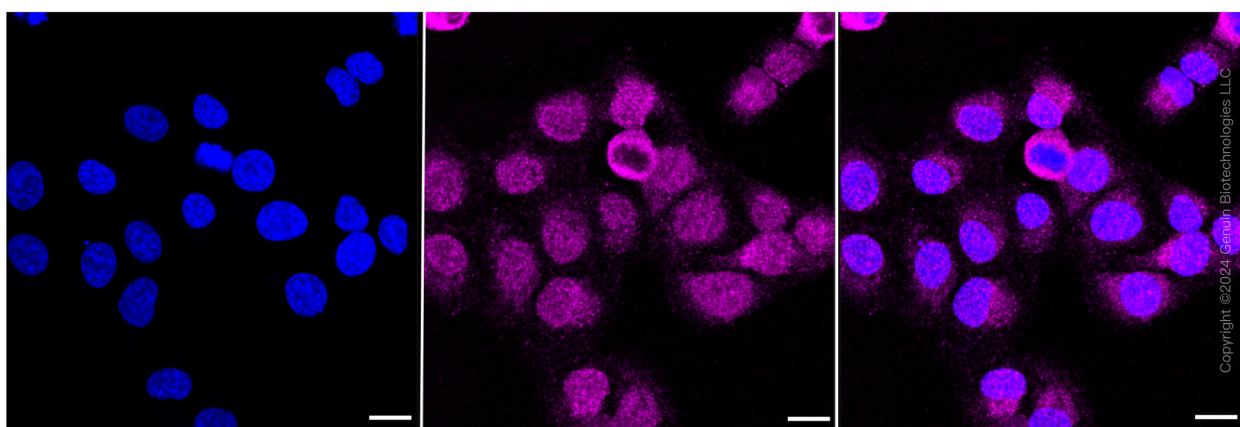
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Validation Data



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Flow cytometric analysis of Integrin beta 1 expression in HT-1080 cells using Integrin beta 1 antibody (Cat#64731, 1:2,000). Green, isotype control; red, Integrin beta 1.



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Immunocytochemical staining of HT-1080 cells with Integrin beta 1 antibody (Cat#64731, 1:1,000). Nuclei were stained blue with DAPI; Integrin beta 1 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.

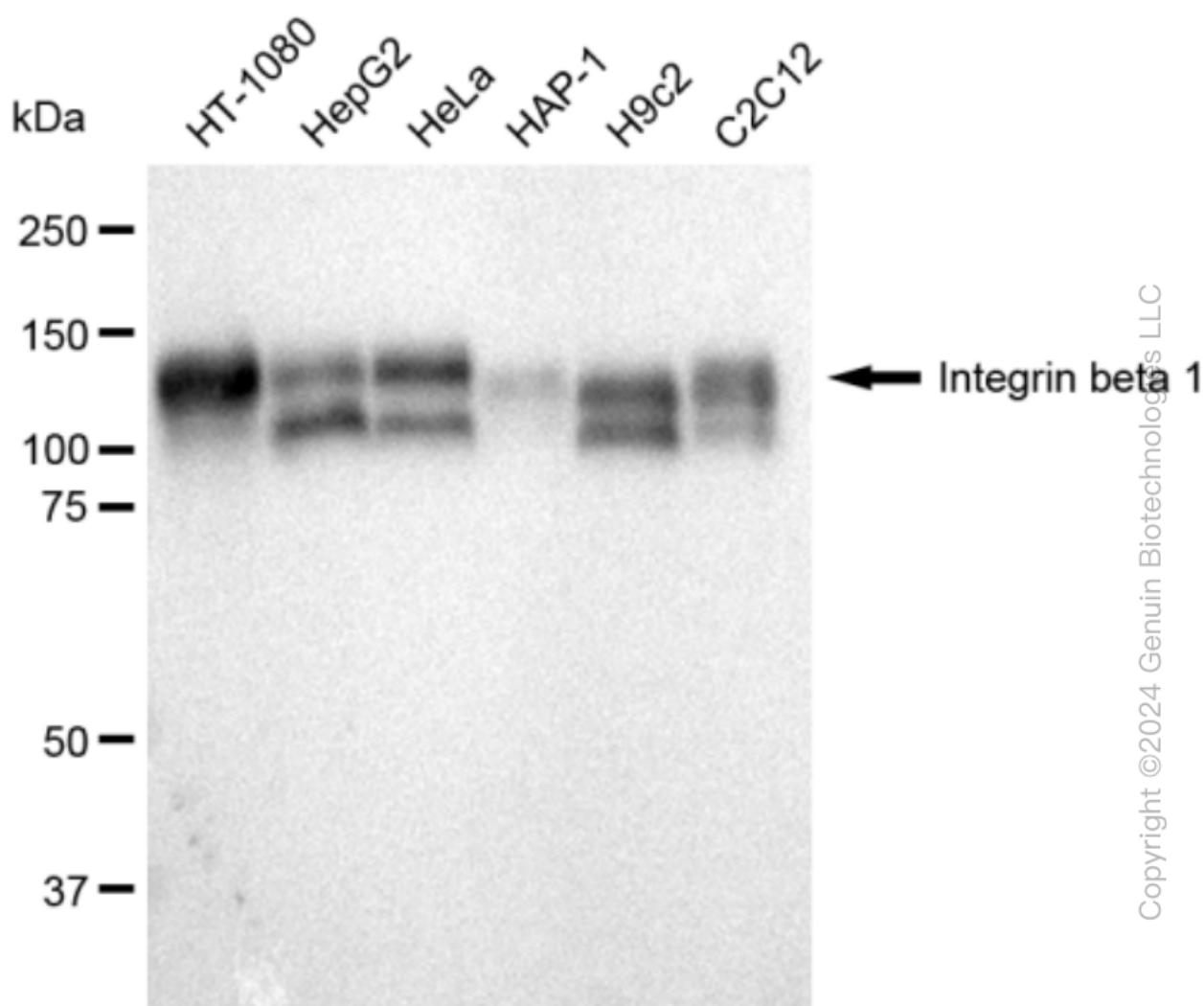
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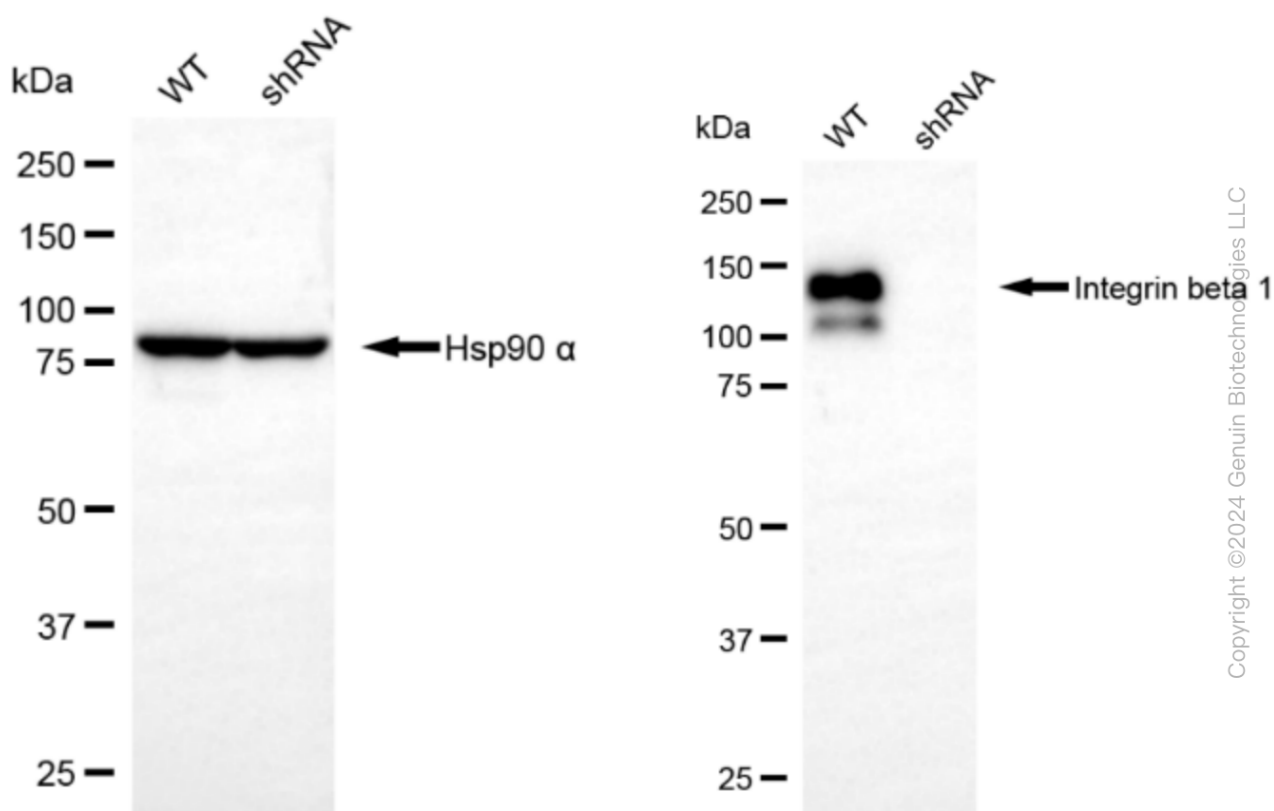
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Western blotting analysis using anti-Integrin β 1 antibody (Cat#64731). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Integrin β 1 antibody (Cat#64731, 1:5,000) and HRP-conjugated 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-Integrin beta 1 antibody (Cat#64731). Integrin beta 1 expression in wild type (WT) and Integrin beta 1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Integrin beta 1 antibody (Cat#64731, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).