9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Integrin β 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2293

Product Overview

Name	KD-Validated Anti-Integrin β 1 Rabbit Monoclonal Antibody
Accession(Primary)	P05556
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Integrin beta 1
Species Reactivity	Human
Calculated MW	Predicted, 88 kDa , observed, 115, 135 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1:100-1,000

Target information (P05556)

Gene Name	ITGB1
About Gene Symbol	ITGB1 (Integrin Subunit Beta 1) is an integrin cell adhesion receptor involved in adaptive immunity. It is an important research target in cell signaling, drug discovery, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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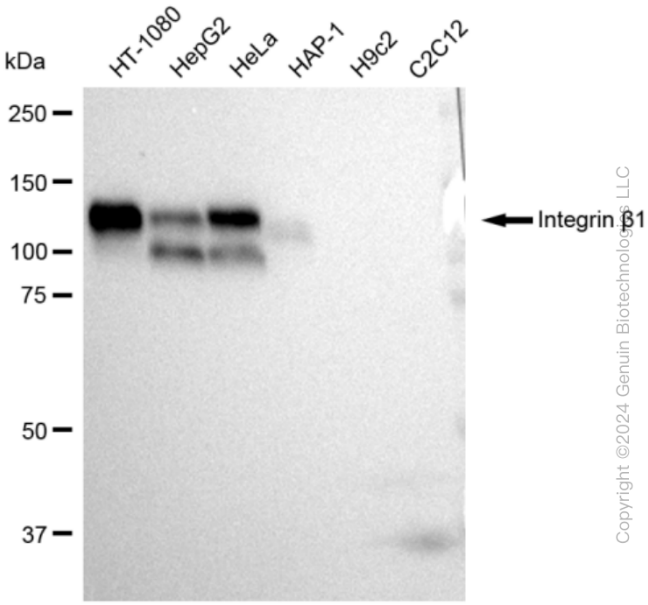

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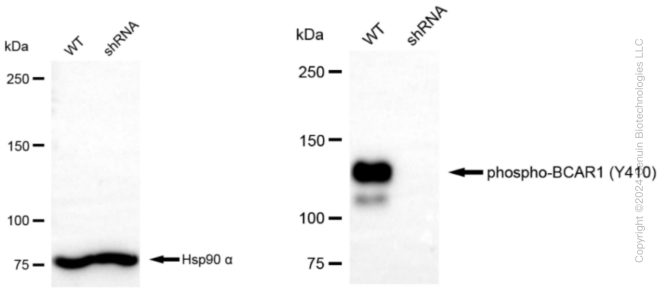
Western blotting analysis using anti-Integrin β1 antibody (Cat#ABG2293). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Integrin β1 antibody (Cat#ABG2293, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



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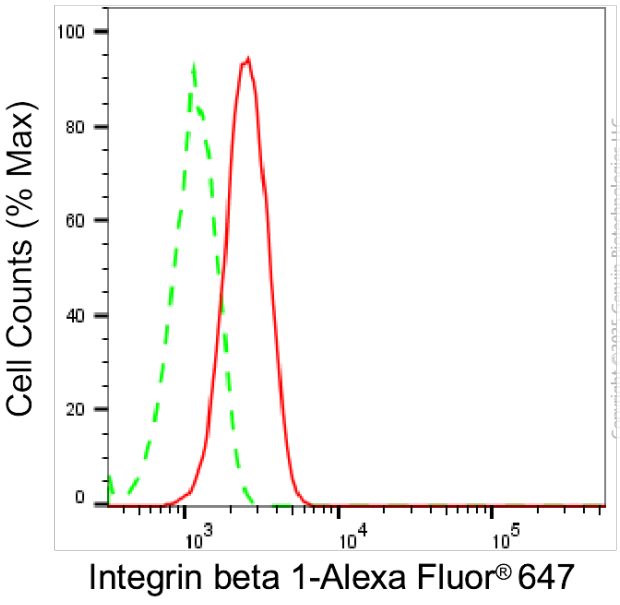
Western blotting analysis using anti-Integrin beta 1 antibody (Cat#ABG2293). Integrin beta 1 expression in wild type (WT) and Integrin beta 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Integrin beta 1 antibody (Cat#ABG2293,1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



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Flow cytometric analysis of Integrin beta 1 expression in HT-1080 cells using anti-Integrin beta 1 antibody (Cat#ABG2293, 1:2,000). Green, isotype control; red, Integrin beta 1.

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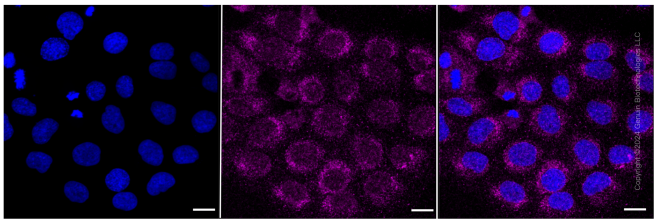

Immunocytochemical staining of HT-1080 cells with Integrin beta 1 antibody (Cat#ABG2293, 1:1,000). Nuclei were stained blue with DAPI; Integrin beta 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.