9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Integrin alpha 5 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2392

Product Overview

Name	KD-Validated Anti-Integrin alpha 5 Rabbit Monoclonal Antibody
Accession(Primary)	P08648
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human integrin alpha 5
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 115 kDa ; Observed, 150 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 Immunocytochemical(IC): 1:1,000 Flow cytometry (FCM): 1:2,000

Target information (P08648)

Gene Name	ITGA5
About Gene Symbol	ITGA5 (Integrin Subunit Alpha 5) 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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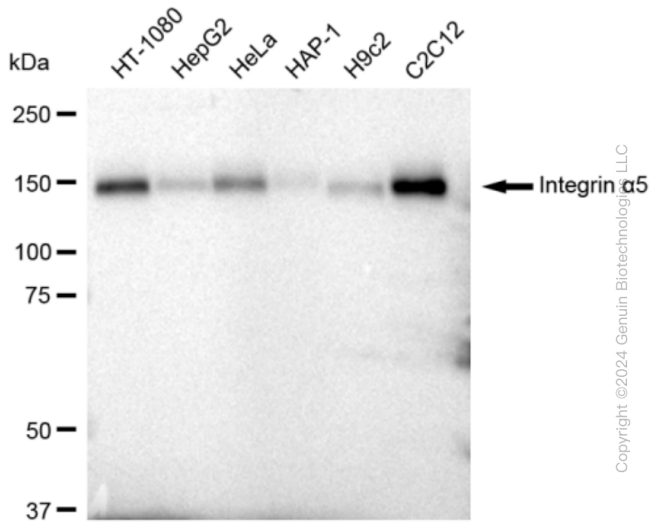

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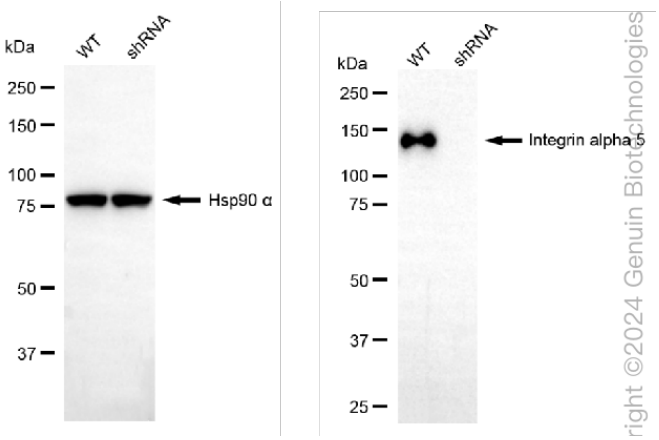
Western blotting analysis using anti-Integrin α5 antibody (Cat#ABG2392). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Integrin α5 antibody (Cat#ABG2392, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



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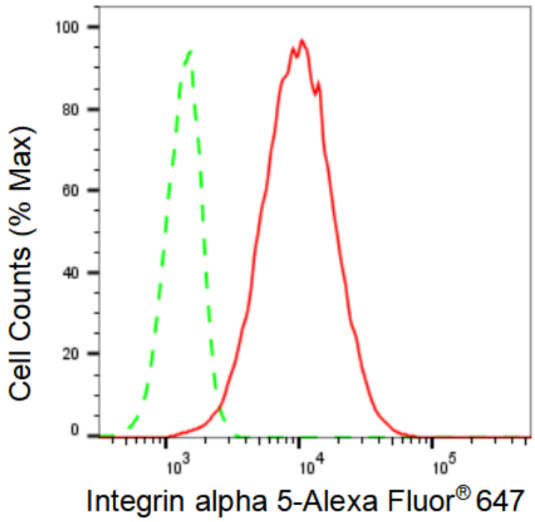
Western blotting analysis using anti-Integrin alpha 5 antibody (Cat#ABG2392). Integrin alpha 5 expression in wild type (WT) and Integrin alpha 5 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Integrin alpha 5 antibody (Cat#ABG2392, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



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Flow cytometric analysis of Integrin alpha 5 expression in C2C12 cells using Integrin alpha 5 antibody (Cat#ABG2392, 1:2,000). Green, isotype control; red, Integrin alpha 5.

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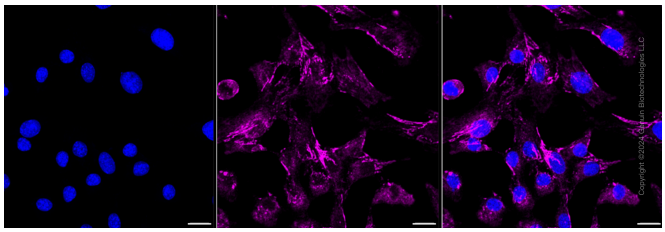

Immunocytochemical staining of C2C12 cells with Integrin alpha 5 antibody (Cat#ABG2392, 1:1,000). Nuclei were stained blue with DAPI; Integrin alpha 5 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.