10320 Camino Santa Fe, Suite G
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KO Validated Anti-Integrin Subunit Alpha 2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2410

Specification

KO Validated Anti-Integrin Subunit Alpha 2 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	P17301
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 129 kDa, observed, 150 kDa KDa**
Gene Name	**ITGA2**
Aliases	**ITGA2; Integrin Subunit Alpha 2; GPIa; VLAA2; HPA-5; CD49B; Integrin, Alpha 2 (CD49B, Alpha 2 Subunit Of VLA-2 Receptor); Very Late Activation Receptor Subunit Alpha-2; Alpha 2 Subunit Of VLA-2 Receptor; CD49 Antigen-Like Family Member B; Platelet Membrane Glycoprotein Ia; Human Platelet Alloantigen 5 2 3; Alpha 2 Integrin; Integrin Alpha-2; Glycoprotein Ia; Very Late Activation Protein 2 Receptor, Alpha-2 Subunit; Very Late Activation Receptor Alpha-2 Subunit; Human Platelet Alloantigen System 5; Platelet Glycoprotein GPIa; Platelet Antigen Br; VLA-2 Subunit Alpha; CD49b Antigen; VLA-2; BR**
Immunogen	**A synthesized peptide derived from human Integrin alpha 2**

KO Validated Anti-Integrin Subunit Alpha 2 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**3673**

Other Names
Integrin alpha-2, CD49 antigen-like family member B, Collagen receptor, Platelet membrane glycoprotein Ia, GPIa, VLA-2 subunit alpha, CD49b, ITGA2, CD49B

KO Validated Anti-Integrin Subunit Alpha 2 Rabbit Monoclonal Antibody - Protein Information

Name ITGA2

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Synonyms CD49B

Function
Integrin alpha-2/beta-1 is a receptor for laminin, collagen, collagen C-propeptides, fibronectin and E-cadherin. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. It is responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized extracellular matrix. (Microbial infection) Integrin ITGA2:ITGB1 acts as a receptor for Human echoviruses 1 and 8.

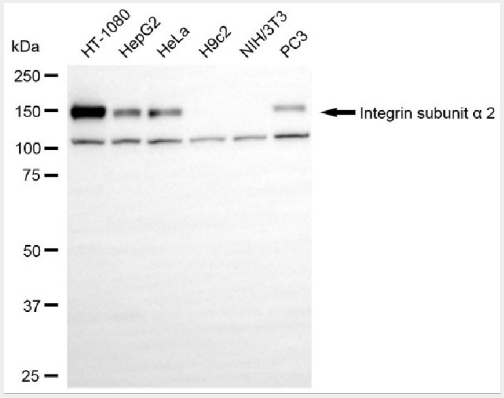
Cellular Location
Membrane; Single-pass type I membrane protein.

KO Validated Anti-Integrin Subunit Alpha 2 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KO Validated Anti-Integrin Subunit Alpha 2 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Integrin subunit alpha 2 antibody (Cat#AGI2410). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Integrin subunit alpha 2 antibody (Cat#AGI2410, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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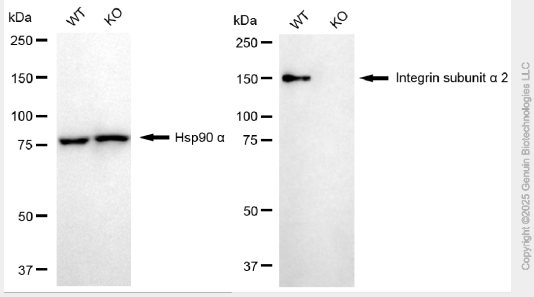
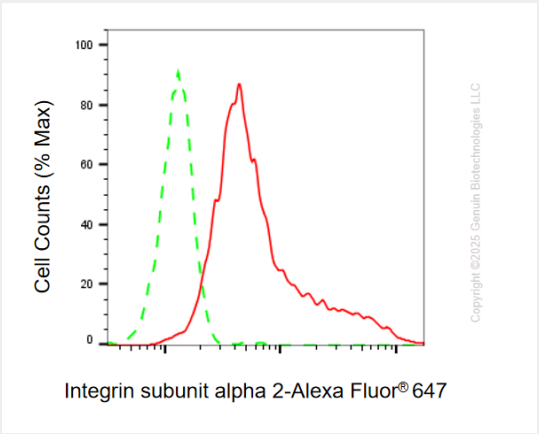


Western blotting analysis using anti-integrin subunit alpha 2 antibody (Cat#AGI2410). Integrin subunit alpha 2 expression in wild type (WT) and integrin subunit alpha 2 (ITGA2) knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-integrin subunit alpha 2 antibody (Cat#AGI2410, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Integrin subunit alpha 2 expression in HepG2 cells using anti-Integrin subunit alpha 2 antibody (Cat# AGI2410, 1:2,000). Green, isotype control; red, Integrin subunit alpha 2.