

Product Name: KD-Validated Integrin Beta 3 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00225

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 87.1kDa

Antigen Information

Gene Name	ITGB3
Alternative Names	Integrin Subunit Beta 3; GPIIIa; CD61; GP3A; Integrin, Beta 3 (Platelet Glycoprotein IIIa, Antigen CD61); Platelet Membrane Glycoprotein IIIa; Integrin Beta-3; Antigen CD61; Integrin Beta Chain, Beta 3; Platelet Glycoprotein IIIa; Integrin Beta 3; CD61 Antigen; BDPLT16; BDPLT24; BDPLT2; GT2; GT
Gene ID	3690.0
SwissProt ID	P05106
Immunogen	A synthesized peptide derived from human Integrin beta 3

Background

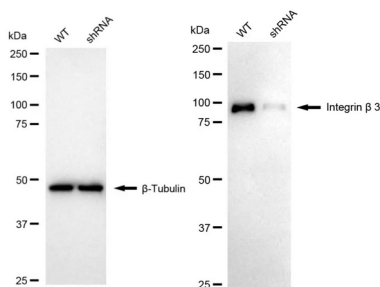
The ITGB3 protein product is the integrin beta chain beta 3. Integrins are integral cell-surface proteins composed of an alpha

chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. Integrin beta 3 is found along with the alpha IIb chain in platelets. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. [provided by RefSeq, Jul 2008]

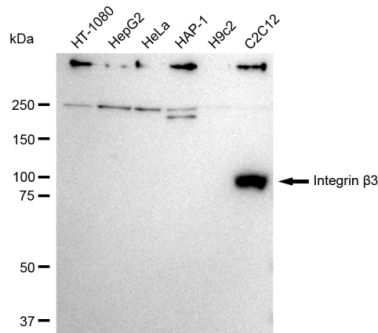
Research Area

Cardiovascular, Signal Transduction

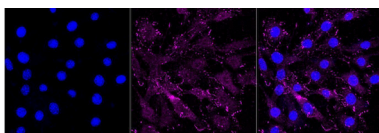
Image Data



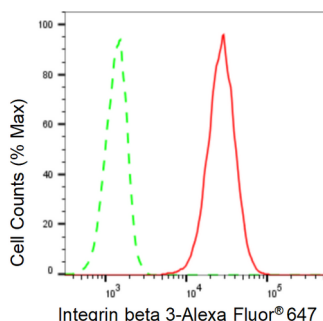
Western blotting analysis using integrin beta 3 antibody (KVA00225). Integrin beta 3 expression in wild-type (WT) and integrin beta 3 (ITGB3) shRNA knockdown (KD) C2C12 cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with integrin beta 3 antibody (KVA00225, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Integrin β3 antibody (KVA00225). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Integrin β3 antibody (KVA00225, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Integrin beta 3 antibody (KVA00225, 1:1,000). Nuclei were stained blue with DAPI; Integrin beta 3 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.



Flow cytometric analysis of Integrin beta 3 expression in C2C12 cells using Integrin beta 3 antibody (KVA00225, 1:2,000). Green, isotype control; red, Integrin beta 3.