

## CD61 (ABT134R) rabbit mAb

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| <b>Catalog No :</b>          | YM7255   |
| <b>Reactivity :</b>          | Human;   |
| <b>Applications :</b>        | IHC; WB; ELISA   |
| <b>Target :</b>              | Integrin $\beta$ 3   |
| <b>Fields :</b>              | >>Rap1 signaling pathway;>>Phagosome;>>PI3K-Akt signaling pathway;>>Osteoclast differentiation;>>Focal adhesion;>>ECM-receptor interaction;>>Platelet activation;>>Neutrophil extracellular trap formation;>>Hematopoietic cell lineage;>>Regulation of actin cytoskeleton;>>Thyroid hormone signaling pathway;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Herpes simplex virus 1 infection;>>Proteoglycans in cancer;>>MicroRNAs in cancer;>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy;>>Fluid shear stress and atherosclerosis |
| <b>Gene Name :</b>           | ITGB3  |
| <b>Protein Name :</b>        | Integrin beta-3 (Platelet membrane glycoprotein IIIa) (GPIIIa) (CD antigen CD61)   |
| <b>Human Gene Id :</b>       | 3690   |
| <b>Human Swiss Prot No :</b> | P05106   |
| <b>Immunogen :</b>           | Synthesized peptide derived from human CD61 AA range:1-100   |
| <b>Specificity :</b>         | This antibody detects endogenous levels of Integrin $\beta$ 3  |
| <b>Formulation :</b>         | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA   |
| <b>Source :</b>              | Monoclonal, Rabbit IgG1, Kappa   |
| <b>Dilution :</b>            | IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000   |
| <b>Purification :</b>        | Recombinant Expression and Affinity purified   |

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 87kD

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**Cell Pathway :** Focal adhesion;ECM-receptor interaction;Hematopoietic cell lineage;Regulates Actin and Cytoskeleton;Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated car

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**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],

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**Function :** disease:Defects in ITGB3 are a cause of Glanzmann thrombasthenia (GT) [MIM:273800]; also known as thrombasthenia of Glanzmann and Naegeli. GT is the most common inherited disease of platelets. Its inheritance is autosomal recessive. It is characterized by mucocutaneous bleeding of mild-to-moderate severity and the inability of this integrin to recognize macromolecular or synthetic peptide ligands. GT has been classified clinically into types I and II. In type I, platelets show absence of the glycoprotein IIb-IIIa complexes at their surface and lack fibrinogen and clot retraction capability. In type II, the platelets express the GPIIb-IIIa complex at reduced levels (5-20% controls), have detectable amounts of fibrinogen, and have low or moderate clot retraction capability. The platelets of GT variants have normal or near normal (60-100%) expression of dysfunctional receptors.,function:Int

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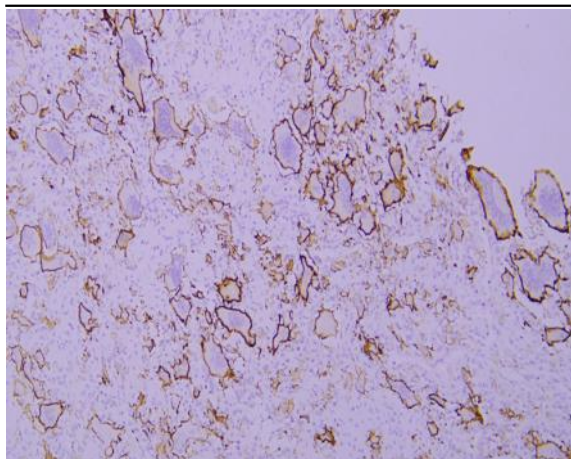
**Subcellular Location :** Cytoplasmic

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**Expression :** Isoform beta-3A and isoform beta-3C are widely expressed. Isoform beta-3A is specifically expressed in osteoblast cells; isoform beta-3C is specifically expressed in prostate and testis.

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## Products Images



Immunohistochemical analysis of paraffin-embedded human Giant cell tumor of bone. 1, Antibody was incubated at 4° overnight. 2, Citrate buffer of pH6.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).