

**Integrin  $\beta$ 3 (phospho Tyr773) Polyclonal Antibody**

|                              |  |
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| <b>Catalog No :</b>          | YP0144   |
| <b>Reactivity :</b>          | Human;Mouse;Rat  |
| <b>Applications :</b>        | WB;IHC;IF;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  |
| <b>Human Gene Id :</b>       | 3690   |
| <b>Human Swiss Prot No :</b> | P05106   |
| <b>Mouse Gene Id :</b>       | 16416  |
| <b>Mouse Swiss Prot No :</b> | O54890   |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human Integrin beta3 around the phosphorylation site of Tyr773. AA range:739-788   |
| <b>Specificity :</b>         | Phospho-Integrin $\beta$ 3 (Y773) Polyclonal Antibody detects endogenous levels of Integrin $\beta$ 3 protein only when phosphorylated at Y773.  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG   |

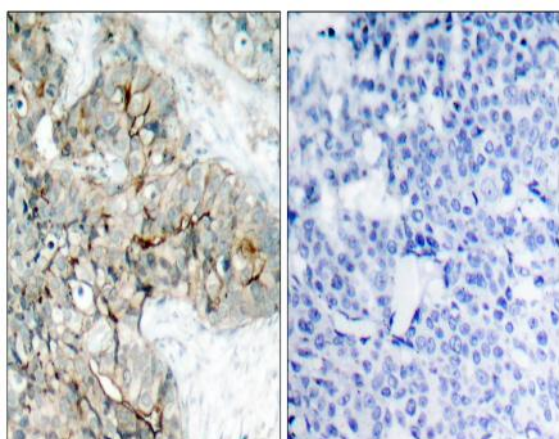
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|-------------------------------|--|
| <b>Dilution :</b>             | WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200   |
| <b>Purification :</b>         | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Concentration :</b>        | 1 mg/ml  |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| <b>Observed Band :</b>        | 130kD  |
| <b>Cell Pathway :</b>         | Focal adhesion;ECM-receptor interaction;Hematopoietic cell lineage;Regulates Actin and Cytoskeleton;Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated car   |
| <b>Background :</b>           | 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],   |
| <b>Function :</b>             | 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 |
| <b>Subcellular Location :</b> | Cell membrane ; Single-pass type I membrane protein . Cell projection, lamellipodium membrane . Cell junction, focal adhesion . Cell junction, synapse, postsynaptic cell membrane ; Single-pass type I membrane protein . Cell junction, synapse .  |
| <b>Expression :</b>           | 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.   |
| <b>Tag :</b>                  | orthogonal   |

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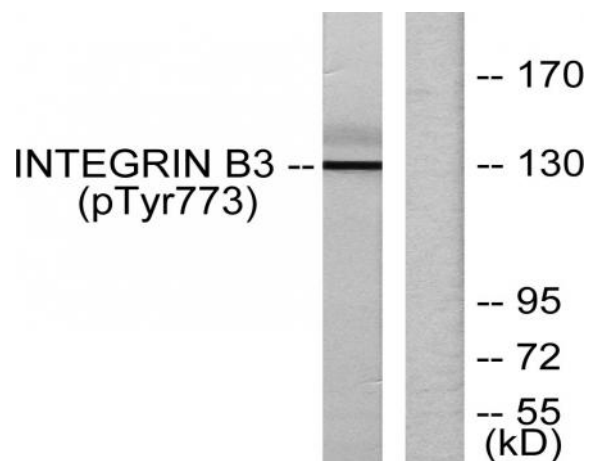
|                        |         |
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| <b>Sort :</b>          | 1034    |
| <b>No4 :</b>           | 1       |
| <b>Host :</b>          | Rabbit  |
| <b>Modifications :</b> | Phospho |

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## Products Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Integrin beta3 (Phospho-Tyr773) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HL-60 cells treated with H<sub>2</sub>O<sub>2</sub>, using Integrin beta3 (Phospho-Tyr773) Antibody. The lane on the right is blocked with the phospho peptide.