



Integrin β 3 (phospho Tyr773) Monoclonal Antibody

Catalog No	BYmab-16881
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ITGB3
Protein Name	Integrin beta-3
Immunogen	The antiserum was produced against synthesized peptide derived from human Integrin beta3 around the phosphorylation site of Tyr773. AA range:739-788
Specificity	Phospho-Integrin β 3 (Y773) Monoclonal Antibody detects endogenous levels of Integrin β 3 protein only when phosphorylated at Y773.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	ITGB3; GP3A; Integrin beta-3; Platelet membrane glycoprotein IIIa; GPIIIa; CD antigen CD61
Observed Band	130kD
Cell Pathway	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 .
Tissue Specificity	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.
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,

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platelets show absence of the glycoprotein IIb-IIIa complexes at their surface and lack fibrinogen and clot retraction caMABility. 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 caMABility. The platelets of GT variants have normal or near normal (60-100%) expression of dysfunctional receptors.,function:Int

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

