

Integrin β3 (phospho Tyr785) Polyclonal Antibody

Catalog No: YP0524

Reactivity: Human; Mouse; Rat

Applications: IF;ELISA;IHC

Target: Integrin β3

Fields: >>Rap1 signaling pathway;>>Phagosome;>>Pl3K-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

Gene Name: ITGB3

Protein Name: Integrin beta-3

P05106

O54890

Human Gene Id: 3690

Human Swiss Prot

No:

Mouse Gene Id: 16416

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

Integrin beta3 around the phosphorylation site of Tyr785. AA range:739-788

Specificity: Phospho-Integrin β3 (Y785) Polyclonal Antibody detects endogenous levels of

Integrin β3 protein only when phosphorylated at Y785.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source : Polyclonal, Rabbit, lgG

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Dilution: IF ICC 1:50-300; ELISA 1:2000-20000; IHC 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

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

Observed Band: 87kD

Cell Pathway: Focal adhesion;ECM-receptor interaction;Hematopoietic cell lineage;Regulates

Actin and Cytoskeleton; Hypertrophic cardiomyopathy (HCM); Arrhythmogenic

right ventricular cardiomyopathy (ARVC);Dilated car

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],

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

Subcellular Location:

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.

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.

Sort : 8623

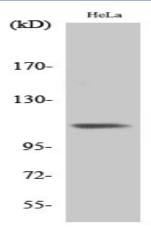


No4:

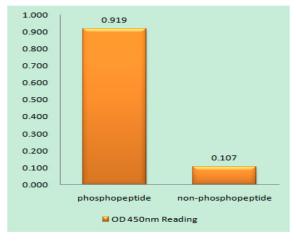
Host: Rabbit

Modifications: Phospho

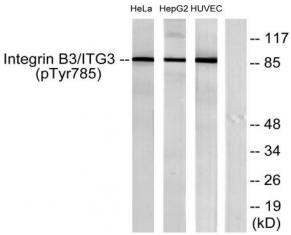
Products Images



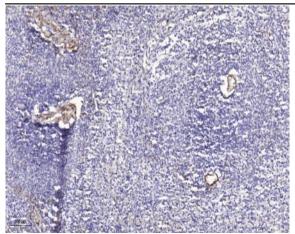
Western Blot analysis of various cells using Phospho-Integrin β 3 (Y785) Polyclonal Antibody diluted at 1:500



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Integrin beta3 (Phospho-Tyr785) Antibody



Western blot analysis of lysates from HeLa cells, HepG2 cells and HUVEC cells, using Integrin beta3 (Phospho-Tyr785) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human spleen. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).