



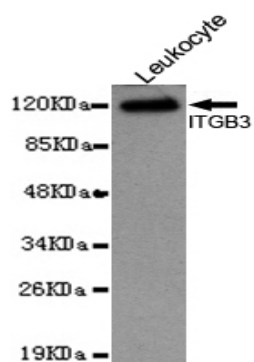
Integrin beta 3 (N-terminus) Antibody

E2200395

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Catalog Number:	E2200395
Size:	100ug
Host:	Mouse
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Sensitivity:	This antibody detects endogenous levels of ITGB3 and does not cross-react with related proteins.
Entrez summary:	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]
UniPort summary	Integrin alpha-V/beta-3 is a receptor for cytotactin, fibronectin, laminin, matrix
Function:	metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. Integrins alpha-IIb/beta-3 and alpha-V/beta-3 recognize the sequence R-G-D in a wide array of ligands. Integrin alpha-IIb/beta-3 recognizes the sequence H-H-L-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial surface. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.
Immunogen:	Purified recombinant human ITGB3 protein fragments expressed in E.coli.
Antibody Type:	Monoclonal antibody
Isotype:	IgG1
Purified method:	Affinity purified
Subcellular location:	Nucleus. Note: Colocalizes with ACTN1 and MYOZ2 at the Z line in heart and skeletal muscle.
Reactivity:	H
Applications:	WB
Molecular Weight:	120kDa
UniProt number:	P05106
GeneBank ID:	NM_000212
Gene symbol:	GT; CD61; GP3A; BDPLT2; GPIIIa
Alternate names:	BDPLT2;CD 61;CD61;CD61 antigen;GP3A;GPIIIa;GT;HPA 1;HPA 4;Integrin beta 3 (platelet glycoprotein IIIa antigen CD61);Integrin beta chain beta 3;Integrin beta-3;ITB3_HUMAN;ITG B3;ITGB 3;ITGB3;NAIT;Platelet fibrinogen receptor beta subunit;Platelet glycoprotein IIIa;platelet glycoprotein IIIa precursor;Platelet membrane glycoprotein IIIa;PTP;

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Western blot detection of ITGB3 in Leukocyte whole cell lysate(1:1000 diluted). Predicted band size:120KDa. Observed band size:120KDa.