

For Research Use Only

Integrin beta 3 Recombinant antibody

Catalog Number: 83053-6-RR



Basic Information

Catalog Number: 83053-6-RR	GenBank Accession Number: BC127667	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3690	CloneNo.: 230292A10
Source: Rabbit	UNIPROT ID: P05106	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	
	Calculated MW: 87 kDa	
	Observed MW: 100-110 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human peripheral blood platelets,
Species Specificity: Human	

Background Information

Integrin beta-3, also named as CD61 and GPIIIa, is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin beta-3 recognize the sequence R-G-D in a wide array of ligands and the sequence H-H-L-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen which 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. Human integrin beta-3 has a calculated molecular weight of 87 kDa. As a result of glycosylation, the apparent molecular mass of integrin beta-3 is approximately 90-110 kDa.

Storage

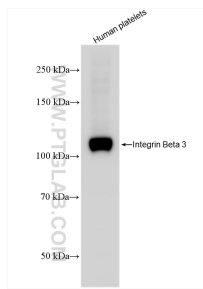
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 83053-6-RR (Integrin beta-3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.