

Integrin beta 3 Recombinant antibody, PBS Only

Catalog Number: 83053-6-PBS

Basic Information

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|---------------------------------------|--|---|
| Catalog Number: 83053-6-PBS | GenBank Accession Number: BC127667 | Purification Method: Protein A purification |
| Size: 1 mg/ml | GeneID (NCBI): 3690 | CloneNo.: 230292A10 |
| Source: Rabbit | UNIPROT ID: P05106 | |
| 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, Indirect ELISA

Species Specificity:
Human

Background Information

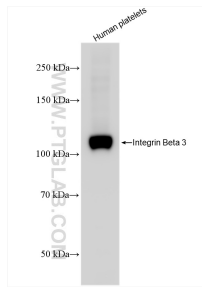
Integrin beta-3, also named as CD61 and GPIIIa, is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin beta-3 recognize the sequence R-G-D in a wide array of ligands and the 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 -80°C.

Storage Buffer:
PBS Only

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. This data was developed using the same antibody clone with 83053-6-PBS in a different storage buffer formulation.