

For Research Use Only

CD61 / Integrin beta 3 Polyclonal antibody

Catalog Number: 18309-1-AP

56 Publications



Basic Information

Catalog Number:

18309-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC127667

GeneID (NCBI):

3690

UNIPROT ID:

P05106

Full Name:

integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)

Calculated MW:

87 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, hamster

Positive Controls:

WB: Human peripheral blood platelets, mouse spleen tissue, rat spleen tissue

IP: mouse spleen tissue,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yujia Xu	32999280	Cell Death Dis	WB
Chao Cheng	36121292	Appl Immunohistochem Mol Morphol	IHC
Yueqi Li	30378153	J Cell Biochem	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

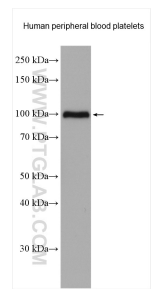
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

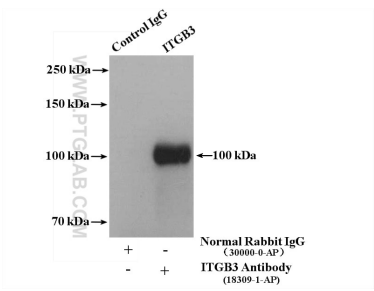
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

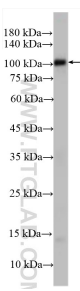
Selected Validation Data



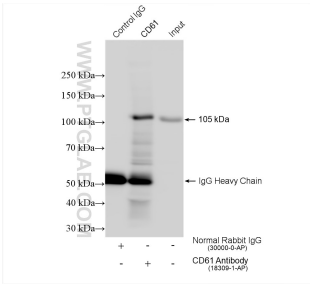
Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 18309-1-AP (CD61 / Integrin Beta 3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-CD61 / Integrin Beta 3 (IP:18309-1-AP, 4ug; Detection:18309-1-AP 1:300) with mouse spleen tissue lysate 5200 ug.



human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 18309-1-AP (CD61 / Integrin Beta 3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-CD61 / Integrin Beta 3 (IP:18309-1-AP, 4ug; Detection:18309-1-AP 1:500) with mouse spleen tissue lysate 1920 ug.