

CD42b Polyclonal antibody

Catalog Number: 12860-1-AP

25 Publications

Basic Information

Catalog Number: 12860-1-AP	GenBank Accession Number: BC027955	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 330 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2811	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Source: Rabbit	Full Name: glycoprotein Ib (platelet), alpha polypeptide	
Isotype: IgG	Calculated MW: 626 aa, 69 kDa	
Immunogen Catalog Number: AG3893	Observed MW: 145 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : Human peripheral blood platelets, pig peripheral blood leukocyte, human blood
Species Specificity: human, pig, mouse	IHC : human spleen tissue, mouse spleen tissue
Cited Species: human, rat, mouse, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

GP1BA, also named as CD42b, is a 145-kDa surface membrane protein of platelets, participates in the formation of platelet plugs by binding to the A1 domain of vWF, which is already bound to the subendothelium. It has a heterodimer form which composed of GP1BA and GP1BB.

Notable Publications

Author	Pubmed ID	Journal	Application
Folnetti A Alvarez	36114323	Breast Cancer Res Treat	WB
A Blaschitz	26388607	Placenta	IHC
Hai-Jian Sun	28868583	Immunol Res	IHC

Storage

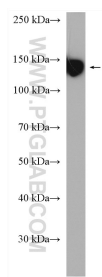
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

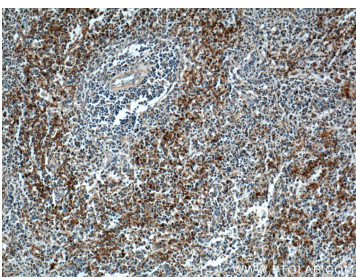
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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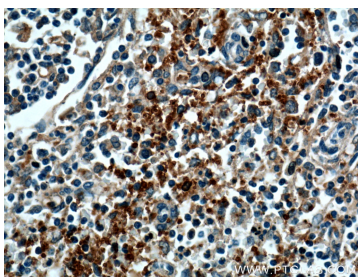
Selected Validation Data



Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 12860-1-AP (CD42b antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 12860-1-AP (CD42b antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 12860-1-AP (CD42b antibody at dilution of 1:200 (under 40x lens).