

For Research Use Only

CD42a / GP9 Polyclonal antibody

Catalog Number: 14564-1-AP **1 Publications**



Basic Information

Catalog Number: 14564-1-AP	GenBank Accession Number: BC030229	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2815	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P14770	
Isotype: IgG	Full Name: glycoprotein IX (platelet)	
Immunogen Catalog Number: AG6129	Calculated MW: 19 kDa	
	Observed MW: 20 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Human peripheral blood platelets, IHC : human spleen tissue,
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: mouse	
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

Platelet glycoprotein IX (GP9, also known as CD42a) is a relatively small surface glycoprotein present on platelets and megakaryocytes. GP9 forms a 1:1 non-covalent complex with GPIb (CD42b). The GPIb-V-IX complex functions as the vWF receptor and mediates vWF-dependent platelet adhesion to blood vessels. Defects in GP9 are a cause of Bernard-Soulier syndrome, also known as giant platelet disease.

Notable Publications

Author	Pubmed ID	Journal	Application
Rong Yan	34657146	Cell Death Dis	WB,IF

Storage

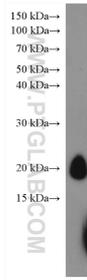
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

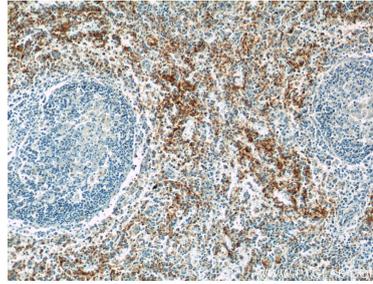
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

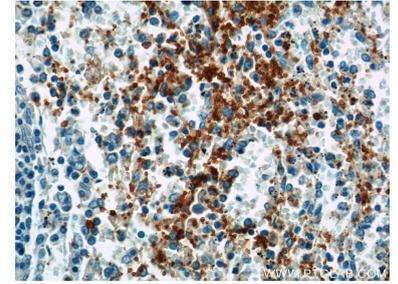
Selected Validation Data



Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 14564-1-AP (CD42a / GP9 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 14564-1-AP (CD42a / GP9 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 14564-1-AP (CD42a / GP9 Antibody) at dilution of 1:50 (under 40x lens).