

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: 300 µg/ml	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: IHC, WB, ELISA	Positive Controls: WB : Human peripheral blood platelets, IHC : human spleen tissue,
Cited Applications: IF, WB	
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

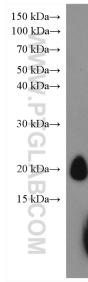
Storage

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

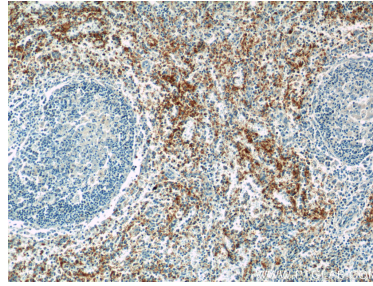
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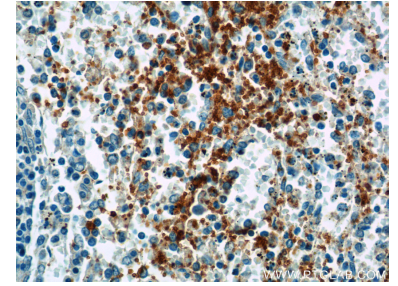
Selected Validation Data



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).