

For Research Use Only

CD42a / GP9 Polyclonal antibody

Catalog Number: 14564-1-AP

1 Publications



Basic Information

Catalog Number:

14564-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6129

GenBank Accession Number:

BC030229

GeneID (NCBI):

2815

UNIPROT ID:

P14770

Full Name:

glycoprotein IX (platelet)

Calculated MW:

19 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : Human peripheral blood platelets,

IHC : human spleen tissue,

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

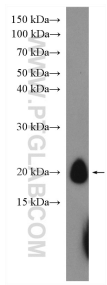
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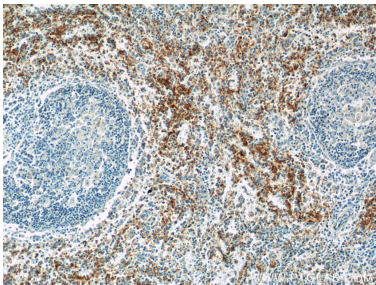
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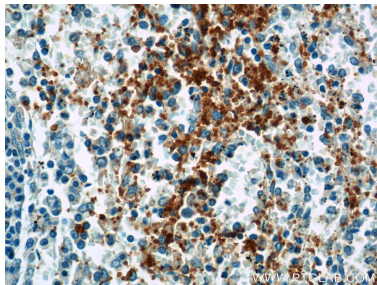
Selected Validation Data



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).