

PF4 Polyclonal antibody

Catalog Number: 21157-1-AP

4 Publications

Basic Information

Catalog Number:

21157-1-AP

Size:

150ul, Concentration: 400 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12345

GenBank Accession Number:

BC093965

GeneID (NCBI):

5196

UNIPROT ID:

P02776

Full Name:

platelet factor 4

Calculated MW:

101 aa, 11 kDa

Observed MW:

10 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, pig

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Human peripheral blood platelets tissue, mouse spleen tissue

IHC : mouse spleen tissue,

IF : HeLa cells,

Background Information

Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated platelets and binds with high affinity to heparin. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation

Notable Publications

Author	Pubmed ID	Journal	Application
Yohei Misumi	36094798	Amyloid	WB
Zhichao Pei	35579435	J Virol	WB, IHC
Jiaqi Jin	35869501	Cell Biosci	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

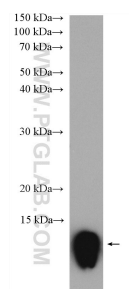
For technical support and original validation data for this product please contact:

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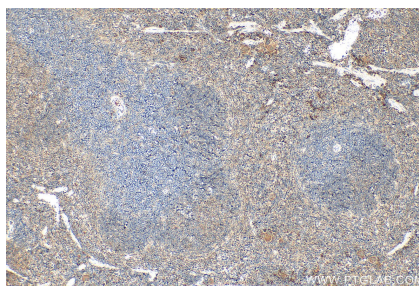
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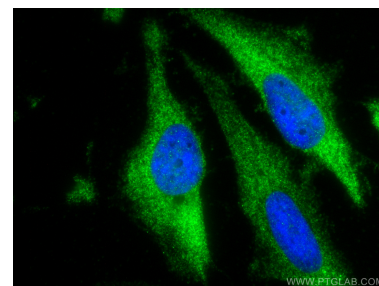
Selected Validation Data



Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 21157-1-AP (PF4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 21157-1-AP (PF4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PF4 antibody (21157-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).