

For Research Use Only

# PF4 Polyclonal antibody

Catalog Number: 21157-1-AP **6 Publications**



## Basic Information

<b>Catalog Number:</b> 21157-1-AP	<b>GenBank Accession Number:</b> BC093965	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5196	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P02776	
<b>Isotype:</b> IgG	<b>Full Name:</b> platelet factor 4	
<b>Immunogen Catalog Number:</b> AG12345	<b>Calculated MW:</b> 101 aa, 11 kDa	
	<b>Observed MW:</b> 10 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, IF, IHC, ELISA	<b>Positive Controls:</b> WB : Human peripheral blood platelets tissue, mouse spleen tissue IP : mouse serum, IHC : mouse spleen tissue, IF : HeLa cells,
<b>Cited Applications:</b> WB, IF, IHC	
<b>Species Specificity:</b> human, mouse, pig	
<b>Cited Species:</b> human, rat, 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 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

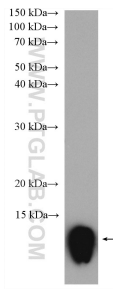
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

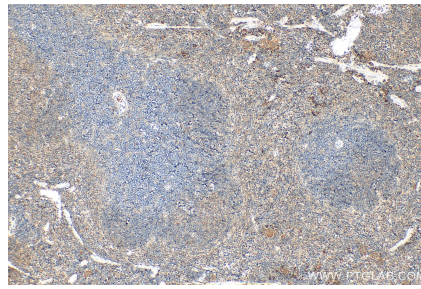
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

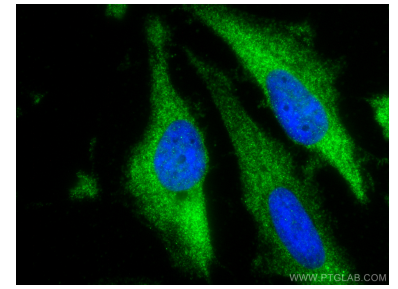
## Selected Validation Data



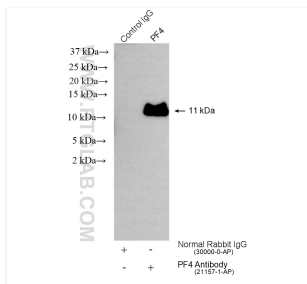
Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 21157-1-AP (PF4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).



IP result of anti-PF4 (IP:21157-1-AP, 4ug; Detection:21157-1-AP 1:200) with mouse serum lysate 1925 ug.