

For Research Use Only

# CD42b Polyclonal antibody

Catalog Number: 12860-1-AP

27 Publications



## Basic Information

### Catalog Number:

12860-1-AP

### Size:

150ul, Concentration: 330 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3893

### GenBank Accession Number:

BC027955

### GeneID (NCBI):

2811

### ENSEMBL Gene ID:

ENSG00000185245

### UNIPROT ID:

P07359

### Full Name:

glycoprotein Ib (platelet), alpha polypeptide

### Calculated MW:

626 aa, 69 kDa

### Observed MW:

145 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, pig

### Cited Species:

human, mouse, rat, pig

**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, pig peripheral blood leukocyte, human blood

IHC : human spleen tissue,

## Background Information

GP1BA, also named as CD42b, is a 145-kDa surface membrane protein of platelets, participates in the formation of platelet plugs by binding to the A1 domain of vWF, which is already bound to the subendothelium. It has a heterodimer form which composed of GP1BA and GP1BB.

## Notable Publications

Author	Pubmed ID	Journal	Application
Folnetti A Alvarez	36114323	Breast Cancer Res Treat	WB
A Blaschitz	26388607	Placenta	IHC
Hai-Jian Sun	28868583	Immunol Res	IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

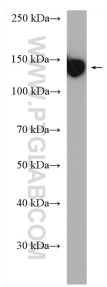
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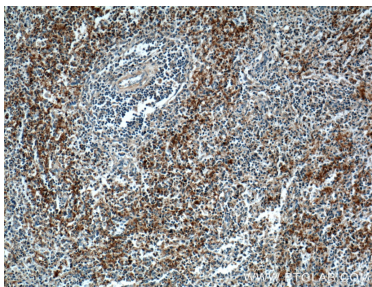
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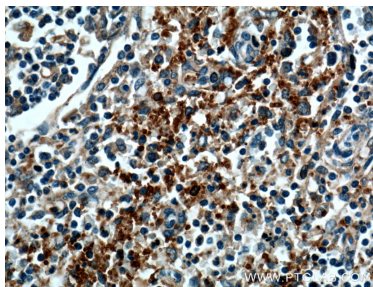
Selected Validation Data



Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 12860-1-AP (CD42b antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 12860-1-AP (CD42b antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 12860-1-AP (CD42b antibody at dilution of 1:200 (under 40x lens).