

For Research Use Only

# CD42b Polyclonal antibody

Catalog Number: 12860-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 12860-1-AP	<b>GenBank Accession Number:</b> BC027955	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2811	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> glycoprotein Ib (platelet), alpha polypeptide	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 626 aa, 69 kDa	
<b>Immunogen Catalog Number:</b> AG3893	<b>Observed MW:</b> 145 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC, WB	WB: Human peripheral blood platelets, pig peripheral blood leukocyte, human blood
<b>Species Specificity:</b> human, pig	IHC: human spleen tissue,
<b>Cited Species:</b> human, mouse, rat, swine	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
A Blaschitz	26388607	Placenta	IHC
Hai-Jian Sun	28868583	Immunol Res	IHC
Guanxing Pan	33152345	Biochem Pharmacol	IHC

## 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

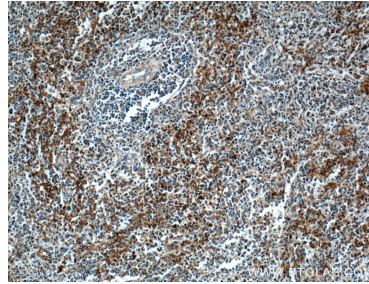
For technical support and original validation data for this product please contact:  
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E: proteintech@ptglab.com  
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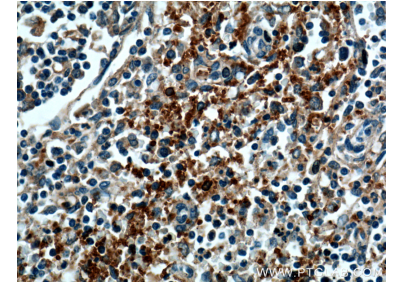
## Selected Validation Data



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).