

For Research Use Only

# GP9 Polyclonal ANTIBODY

Catalog Number: 14564-1-AP



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>14564-1-AP  | <b>GenBank Accession Number:</b><br>BC030229    | <b>Purification Method:</b><br>Antigen affinity purification         |
| <b>Size:</b><br>150UL, Concentration: 200 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>2815                   | <b>Recommended Dilutions:</b><br>WB 1:2000-1:12000<br>IHC 1:20-1:200 |
| <b>Source:</b><br>Rabbit  | <b>Full Name:</b><br>glycoprotein IX (platelet) |  |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>19 kDa                 |  |
| <b>Immunogen Catalog Number:</b><br>AG6129  | <b>Observed MW:</b><br>20 kDa                   |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>IHC, WB, ELISA  | <b>Positive Controls:</b><br>WB: Human peripheral blood platelets,<br>IHC: human spleen tissue, |
| <b>Species Specificity:</b><br>human   |   |
| <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

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.

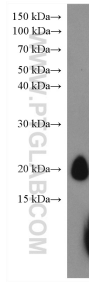
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

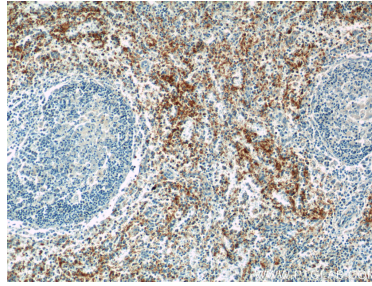
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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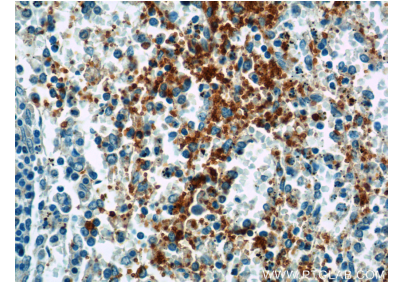
## Selected Validation Data



Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 14564-1-AP (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 (GP9 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 14564-1-AP (GP9 Antibody) at dilution of 1:50 (under 40x lens).