

For Research Use Only

# MPIG6B Recombinant monoclonal antibody

Catalog Number: 88167-2-RR



## Basic Information

|                                                                |                                                         |                                                                                                              |
|----------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>88167-2-RR                           | <b>GenBank Accession Number:</b><br>NM_138272.3         | <b>Purification Method:</b><br>Protein A purification                                                        |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>80739                          | <b>CloneNo.:</b><br>260393F2                                                                                 |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>O95866-1                          | <b>Recommended Dilutions:</b><br>WB: 1:2000-1:10000<br>IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>chromosome 6 open reading frame 25 |                                                                                                              |
| <b>Immunogen Catalog Number:</b><br>EG5762                     | <b>Calculated MW:</b><br>26 kDa                         |                                                                                                              |
|                                                                | <b>Observed MW:</b><br>17kDa, 26 kDa                    |                                                                                                              |

## Applications

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

## Background Information

MPIG6B (Megakaryocyte and Platelet Inhibitory Receptor G6b), also known as G6b-B or C6orf25, is a type I transmembrane glycoprotein belonging to the immunoglobulin superfamily, and serves as a key negative regulatory receptor for platelet activation and megakaryocyte differentiation. The intracellular domain of MPIG6B contains immunoreceptor tyrosine-based inhibitory motifs (ITIMs), which recruit SHP-1/SHP-2 phosphatases to inhibit Src family kinase activity, thereby negatively regulating platelet aggregation, release reactions, and megakaryocyte maturation. Mutations in the MPIG6B gene lead to thrombocytopenia and bleeding tendency, and its functional dysregulation is associated with immune thrombocytopenia (ITP) and myeloproliferative neoplasms.

## Storage

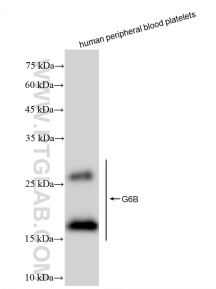
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

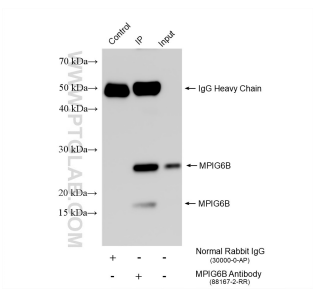
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88167-2-RR (G6B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-MPIG6B (IP:88167-2-RR, 4ug; Detection:88167-2-RR 1:3000) with human peripheral blood platelets lysate 880 ug.