

For Research Use Only

MPIG6B Recombinant monoclonal antibody

Catalog Number: 88167-2-RR



Basic Information

Catalog Number:

88167-2-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5762

GenBank Accession Number:

NM_138272.3

GeneID (NCBI):

80739

UNIPROT ID:

O95866-1

Full Name:

chromosome 6 open reading frame 25 protein lysate

Calculated MW:

26 kDa

Observed MW:

17kDa, 26 kDa

Purification Method:

Protein A purification

CloneNo.:

260393F2

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : human peripheral blood platelets,

IP : 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

For technical support and original validation data for this product please contact:

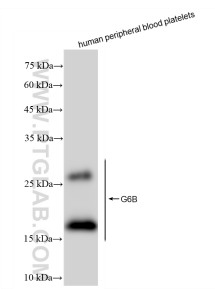
T: 4006900926

E: Proteintech-CN@ptglab.com

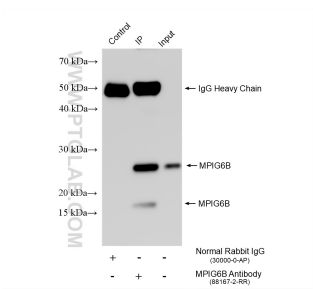
W: ptgcn.com

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

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.