

For Research Use Only

# FCGR3B/CD16b Polyclonal antibody

Catalog Number: 30201-1-AP



## Basic Information

**Catalog Number:**

30201-1-AP

**Size:**

900 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_000570

**GeneID (NCBI):**

2215

**UNIPROT ID:**

O75015

**Full Name:**

Fc fragment of IgG, low affinity IIIb, receptor (CD16b)

**Calculated MW:**

26 kDa

**Observed MW:**

55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IF 1:200-1:800

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

Human, rat

**Positive Controls:**

WB: Raji cells, U-937 cells, rat spleen tissue

IF: A549 cells,

## Background Information

CD16 is a low affinity Fc receptor. It has been identified as Fc receptors Fc $\gamma$ RIIIa (CD16a) and Fc $\gamma$ RIIIb (CD16b), encoded by two nearly identical genes, FCGR3A and the FCGR3B. In humans, Fc $\gamma$ RIIIa/CD16a is a type I transmembrane receptor expressed on macrophages and NK cells. Fc $\gamma$ RIIIb/CD16b is a GPI-linked Fc-receptor highly expressed on neutrophils. The two proteins differ by only four amino acid residues in the mature proteins (PMID: 30361439). FCGR3B/CD16b can be detected as 26 kDa (PMID: 34108956; 36096917) and 50-75 kDa (PMID: 30655272; 18208407). The antibody is specific for FCGR3B/CD16b.

## 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:

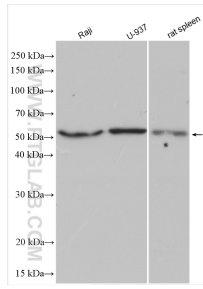
T: 4006900926

E: Proteintech-CN@ptglab.com

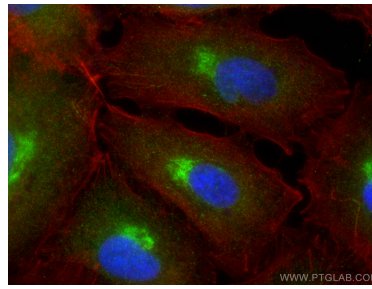
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30201-1-AP (FCGR3B/CD16b antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using FCGR3B/CD16b antibody (30201-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).