

For Research Use Only

# FCGR2A / CD32a Polyclonal antibody



Catalog Number: 15625-1-AP

9 Publications

## Basic Information

**Catalog Number:**

15625-1-AP

**Size:**

550 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG8072

**GenBank Accession Number:**

BC020823

**GeneID (NCBI):**

2212

**UNIPROT ID:**

P12318

**Full Name:**

Fc fragment of IgG, low affinity IIa, receptor (CD32)

**Calculated MW:**

35 kDa

**Observed MW:**

35-40 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:5000-1:50000

IHC 1:1000-1:4000

## Applications

**Tested Applications:**

FC, IHC, WB, ELISA

**Cited Applications:**

FC, IF, IHC, WB

**Species Specificity:**

human

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB : K-562 cells, U-937 cells

IHC : human liver tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

IgG Fc receptors (Fc $\gamma$ Rs) play important roles in immune responses. Low affinity IgG Fc receptor Fc gamma RIIa (FCGR2A, CD32a) is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenlong Zhao	36116152	Int Immunopharmacol	WB,IF
Luodan Yang	29056360	Exp Neurol	WB
Jianbin Yin	35739102	Cell Death Dis	WB

## 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:

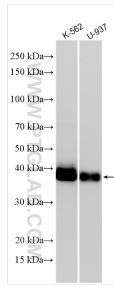
T: 4006900926

E: Proteintech-CN@ptglab.com

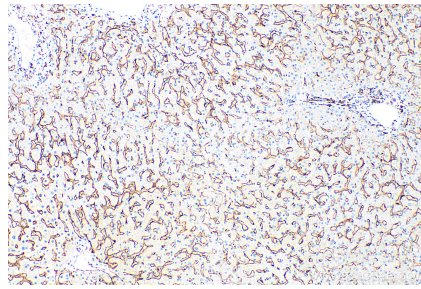
W: ptgcn.com

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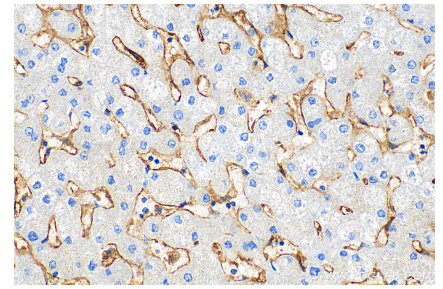
## Selected Validation Data



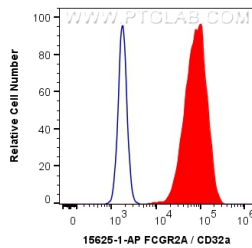
Various lysates were subjected to SDS PAGE followed by western blot with 15625-1-AP (FCGR2A / CD32a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15625-1-AP (FCGR2A / CD32a antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15625-1-AP (FCGR2A / CD32a antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> K-562 cells were intracellularly stained with 0.4 ug Anti-Human FCGR2A / CD32a (15625-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).