

For Research Use Only

# FCGR2A / CD32a Polyclonal antibody

Catalog Number: 15625-1-AP

16 Publications



## Basic Information

Catalog Number:

15625-1-AP

Concentration:

550 ug/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

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse, rat

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

Positive Controls:

WB : K-562 cells, U-937 cells

IHC : human liver tissue,

IF/ICC : THP-1 cells,

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

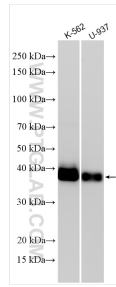
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

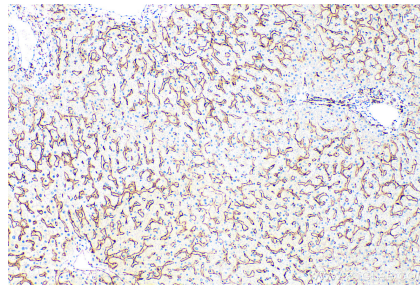
W: [ptgcn.com](http://ptgcn.com)

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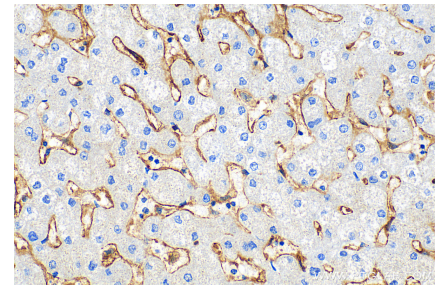
## Selected Validation Data



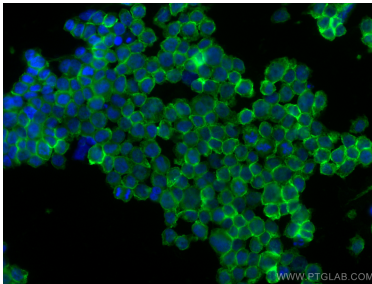
Various lysates were subjected to SDS PAGE followed by western blot with 15625-1-AP (FCGR2A / CD32a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using FCGR2A / CD32a antibody (15625-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).