

For Research Use Only

FCGR2A / CD32a Polyclonal antibody



Catalog Number: 15625-1-AP

9 Publications

Basic Information

Catalog Number: 15625-1-AP	GenBank Accession Number: BC020823	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 2212	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000
Source: Rabbit	Full Name: Fc fragment of IgG, low affinity IIa, receptor (CD32)	
Isotype: IgG	Calculated MW: 35 kDa	
Immunogen Catalog Number: AG8072	Observed MW: 35-40 kDa	

Applications

Tested Applications:
FC, IHC, WB, ELISA

Cited Applications:
FC, IF, IHC, WB

Species Specificity:
human

Cited Species:
human, rat, mouse

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,

Background Information

IgG Fc receptors (FcγRs) 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

*** 20ul sizes contain 0.1% BSA

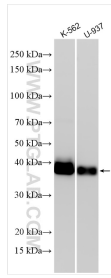
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

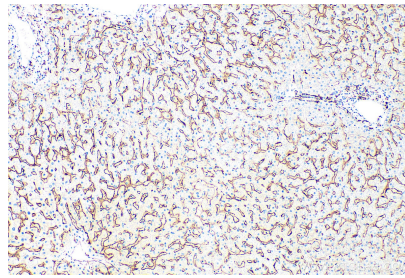
E: proteintech@ptglab.com
W: ptglab.com

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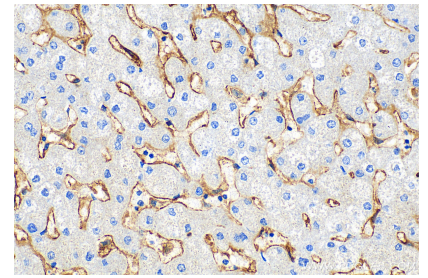
Selected Validation Data



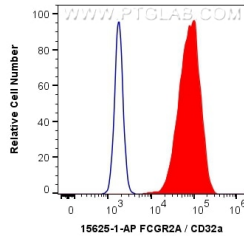
Various lysates were subjected to SDS PAGE followed by western blot with 15625-1-AP (FCGR2A / CD32a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



1×10^6 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).