

For Research Use Only

FCGR2A / CD32a Monoclonal ANTIBODY



Catalog Number: 66529-1-Ig

Basic Information

Catalog Number: 66529-1-Ig	GenBank Accession Number: BC020823	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:2500-1:10000
Size: 150 µg/150 µl	GeneID (NCBI): 2212	
Source: Mouse	Full Name: Fc fragment of IgG, low affinity IIa, receptor (CD32)	
Isotype: IgG2b	Calculated MW: 35 kDa	
Purification Method: Protein A purification	Observed MW: 42 kDa	
Immunogen Catalog Number: AC25878		

Applications

Tested Applications:
IHC, WB, ELISA
Species Specificity:
Human

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

Positive Controls:

WB: U-937 cells; Raji cells, THP-1 cells, K-562 cells
IHC: human liver cancer tissue; human tonsillitis tissue

Background Information

IgG Fc receptors (FcγRs) play important roles in immune responses. Low affinity IgG Fc receptor Fc gamma R11a (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
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Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

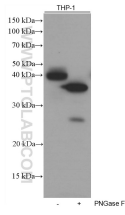
For technical support and original validation data for this product please contact:

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

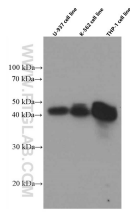
E: proteintech@ptglab.com
W: ptglab.com

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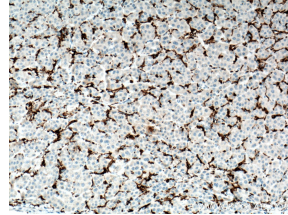
Selected Validation Data



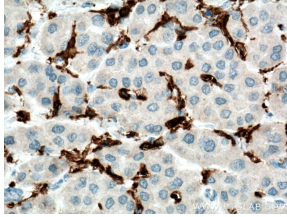
Untreated and PNGase F-treated lysates of THP-1 cells were subjected to SDS PAGE followed by western blot with 66529-1-Ig (FCGR2A/ CD32a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat. NO. ata808).



Various lysates were subjected to SDS PAGE followed by western blot with 66529-1-Ig (FCGR2A/ CD32a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using 66529-1-Ig (FCGR2A/ CD32a antibody) at dilution of 1:5000 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using 66529-1-Ig (FCGR2A/ CD32a antibody) at dilution of 1:5000 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).