

# FCGR2A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP13724b

## **Product Information**

Application WB, E Primary Accession P12318

Other Accession NP\_001129691.1

Reactivity Human
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB33694
Calculated MW 35001
Antigen Region 256-285

## **Additional Information**

**Gene ID** 2212

Other Names Low affinity immunoglobulin gamma Fc region receptor II-a, IgG Fc receptor

II-a, CDw32, Fc-gamma RII-a, Fc-gamma-RIIa, FcRII-a, CD32, FCGR2A, CD32,

FCG2, FCGR2A1, IGFR2

Target/Specificity This FCGR2A antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 256-285 amino acids from the

C-terminal region of human FCGR2A.

**Dilution** WB~~1:1000 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** FCGR2A Antibody (C-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

#### **Protein Information**

Name FCGR2A

**Synonyms** CD32, FCG2, FCGR2A1, IGFR2

**Function** Binds to the Fc region of immunoglobulins gamma. Low affinity receptor. By

binding to IgG it initiates cellular responses against pathogens and soluble

antigens. Promotes phagocytosis of opsonized antigens.

**Cellular Location** Cell membrane; Single-pass type I membrane protein

**Tissue Location** Found on monocytes, neutrophils and eosinophil platelets

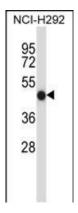
# **Background**

This gene encodes one member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. The protein encoded by this gene 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. Alternative splicing results in multiple transcript variants.

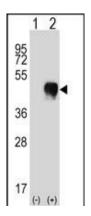
#### References

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Zhang, C.Y., et al. J. Biol. Chem. 285(44):34250-34258(2010)
Iwasaki, M., et al. Breast Cancer Res. Treat. (2010) In press:
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## **Images**



FCGR2A Antibody (C-term) (Cat. #AP13724b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the FCGR2A antibody detected the FCGR2A protein (arrow).



Western blot analysis of FCGR2A (arrow) using rabbit polyclonal FCGR2A Antibody (C-term) (Cat. #AP13724b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FCGR2A gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.