

Rabbit anti-Human FCGR2A Polyclonal Antibody | anti-FCGR2A antibody

FCGR2A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326175	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

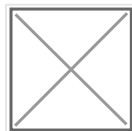
PRODUCT SYNONYMS

FCGR2A; Polyclonal Antibody; FCGR2A Antibody; CD32; CD32 antigen; CDw32; Fc fragment of IgG; low affinity IIa; receptor (CD32); receptor for (CD32); Fc gamma RII a; Fc gamma RIIa; Fc-gamma RII-a; Fc-gamma-RIIa; FCG2; FCG2A_HUMAN; FcGR; FCGR2; FCGR2A1; FcRII a; FcRII-a; IGFR2; IgG Fc receptor II a; IgG Fc receptor II-a; Immunoglobulin G Fc receptor II; low affinity immunoglobulin gamma Fc region receptor II a; Low affinity immunoglobulin gamma Fc region receptor II-a; anti-FCGR2A antibody

PRODUCT SPECIFICATIONS

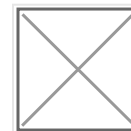
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	FCGR2A antibody detects endogenous levels of total FCGR2A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	317
Applicable Applications for anti-FCGR2A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FCGR2A
Subcellular Location	Cell Membrane
Tissue Specificity	Found on monocytes, neutrophils and eosinophil platelets.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326175 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



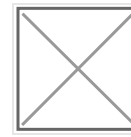
IF (Immunofluorescence)

AAA326175 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600 was used as secondary antibody.



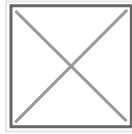
WB (Western Blot)

Western blot analysis of extracts of Jurkat, using FCGR2A antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326175 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from Hela, using FCGR2A Antibody. Lane 1 was treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FCGR2A antibody

Description: CD32 (also designated Fc gamma RII) is a low affinity receptor for the Fc fragment of aggregated IgG (1, 2). CD32 is responsible for the clearance of immunocomplexes by macrophages and also plays an important role in the regulation of antibody production by B cells (1-4). IgG can noncooperatively bind either one or two highly glycosylated CD32 molecules, and this binding delivers a negative signal for B cells (1, 2, 5). CD32 exists as several isoforms that are produced by alternative splicing of three distinct genes, A, B, and C (2, 6). These isoforms are designated FcγRIIA, FcγRIIB1, FcγRIIB3, and FcγRIIC (1, 2, 6). All isoforms are present on monocytes, placental trophoblasts and endothelial cells (1, 6). In addition, the FcγRIIB forms are present on B lymphocytes, and the FcγRIIA and FcγRIIC forms are found on neutrophils (1, 6).

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.

Subunit Structure: Interacts with INPP5D/SHIP1 and INPPL1/SHIP2, regulating its function. Interacts with APCS and FGR. Interacts with HCK.

Post-translational Modifications: Phosphorylated by SRC-type Tyr-kinases such as LYN, BLK, FYN, HCK and SYK.

NCBI AND UNIPROT INFORMATION

NCBI GI #	210031822
NCBI GeneID	2212
NCBI Accession #	NP_001129691.1
NCBI GenBank Nucleotide #	NM_001136219.1
UniProt Accession #	P12318; Q8WUN1; Q8WW64
Molecular Weight	Observed: 35 kDa Predicted: 36 kDa
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor II-a isoform 1
NCBI Official Synonym Full Names	Fc fragment of IgG receptor IIa
NCBI Official Symbol	FCGR2A
NCBI Official Synonym Symbols	CD32; FCG2; FcGR; CD32A; CDw32; FCGR2; IGFR2; FCGR2A1
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor II-a
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor II-a
UniProt Gene Name	FCGR2A
UniProt Synonym Gene Names	CD32; FCG2; FCGR2A1; IGFR2; IgG Fc receptor II-a; Fc-gamma-RIIa; FcRII-a

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fcgr2a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326175>