

Rabbit FCGR3A Polyclonal Antibody | anti-FCGR3A antibody

FCGR3A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326756	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

FCGR3A; Polyclonal Antibody; FCGR3A Antibody; CD 16; CD 16a; CD16; CD16a; CD16a antigen; CD16B; CD16b antigen; Fc fragment of IgG; Fc fragment of IgG low affinity IIIa receptor (CD16); Fc fragment of IgG low affinity IIIa receptor; Fc fragment of IgG receptor IIIa; low affinity III; receptor (CD16); receptor for (CD16); low affinity IIIa; receptor (CD16a); receptor for; low affinity IIIb; receptor (CD16b); Fc gamma R3; Fc gamma receptor III 2 (CD 16); Fc gamma receptor III A; Fc gamma receptor IIIA; Fc gamma receptor IIIb (CD 16); Fc gamma RIII alpha; Fc gamma RIII; Fc gamma RIII beta; Fc gamma RIIIa; Fc gamma RIIIb; Fc of IgG; Fc-gamma receptor III2 (CD 16); Fc-gamma receptor III2 (CD16); Fc-gamma receptor IIIb (CD16); Fc-gamma RIII; Fc-gamma RIII-alpha; Fc-gamma RIIIa; FCG 3; FCG3; FCG3A_HUMAN; FCgammaRIIIA; FCGR 3; FCGR 3A; FCGR3; FCGR3A protein; FCGRIII; FCGRIII-2; FcR 10; FcR-10; FcR10; FcRIII; FcRIIIa; IGFR 3; IGFR3; IgG Fc receptor III 1; IgG Fc receptor III 2; IgG Fc receptor III-2; IMD20; immunoglobulin G Fc receptor III; immunoglobulin G Fc receptor III-2; Low affinity IIIa receptor; Low affinity immunoglobulin gamma Fc region receptor III A; Low affinity immunoglobulin gamma Fc region receptor III-A; Low affinity immunoglobulin gamma Fc region receptor IIIb; neutrophil-specific antigen NA; anti-FCGR3A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FCGR3A antibody detects endogenous levels of total FCGR3A
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	359
Applicable Applications for anti-FCGR3A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FCGR3A
Subcellular Location	Cell Membrane. Secreted. Exists also as a soluble receptor.
Tissue Specificity	Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of mouse liver, using FCGR3A antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from rat heart and mouse brain, using FCGR3A Antibody.



IHC (Immunohistochemistry)
AAA326756 at 1/100 staining Human urothelial 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.

ADDITIONAL INFORMATION

Related Product Information for anti-FCGR3A antibody

Description: This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other other antibody-dependent responses. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Function: Receptor for the Fc region of IgG. Binds complexed or aggregated IgG and also monomeric IgG. Mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. Subunit Structure: Exists as a heterooligomeric receptor complex with Fc epsilon receptor I gamma subunit and/or the CD3 zeta subunit. Interacts with INPP5D/SHIP1 (By similarity). Post-translational Modifications: Glycosylated. Contains high mannose-and complex-type oligosaccharides. Glycosylation at Asn-180 is mandatory for high affinity binding to the Fc and for discrimination between fucosylated and afucosylated IgG glycoforms. The soluble form is produced by a proteolytic cleavage.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1041817992
NCBI GeneID	2214
NCBI Accession #	NP_000560.6
NCBI GenBank Nucleotide #	NM_000569.7
UniProt Accession #	P08637; Q53FJ0; Q53FL6; Q5EBR4; Q65ZM6; Q6PIJ0; A2N6W9
Molecular Weight	Observed: 29 kDa Predicted: 30 kDa
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor III-A isoform a
NCBI Official Synonym Full Names	Fc fragment of IgG receptor IIIa
NCBI Official Symbol	FCGR3A
NCBI Official Synonym Symbols	CD16; FCG3; CD16A; FCGR3; IGFR3; IMD20; FCR-10; FCRIII; FCGRIII; FCRIIIA
NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor III-A
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-A

UniProt Gene Name	FCGR3A
UniProt Synonym Gene Names	CD16A; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIa; FcRIII; FcRIIIa

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/fcgr3a-antibody-immunohistochemistry-western-blot-elisa/326756>