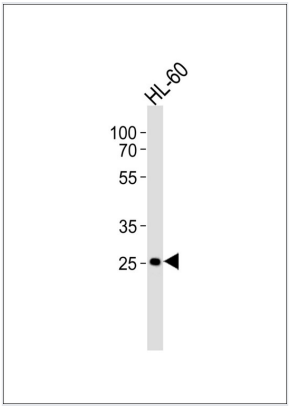
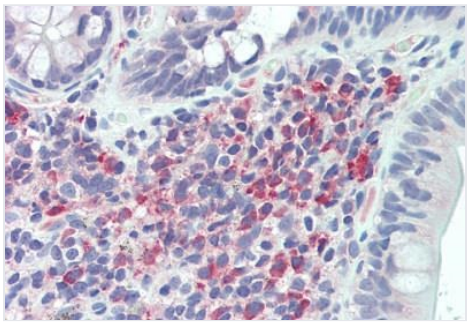
FCGR3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

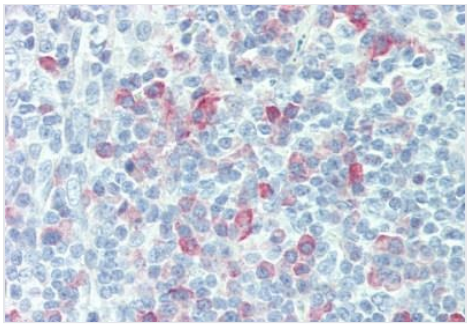
Product Name	FCGR3B/CD16B, Polyclonal Antibody
Full Product Name	FCGR3B/CD16B Rabbit anti-Human Polyclonal (aa12-47) Antibody
Product Gene Name	anti-FCGR3B antibody
Product Synonym Names	IHC-plus FCGR3B/CD16B Antibody (aa12-47); FCGR3B; CD16b; CD16b antigen; CD16; Fc-gamma RIIIb; FCR-10; FCRIII; Fc-gamma RIII; Fc-gamma RIII-beta; FCG3; IGFR3; Fc-gamma receptor IIIb (CD 16); FCGR3; FCRIIIb; Igg fc receptor iii-1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS, 0.09% Sodium Azide
Purity/Purification	Protein A purified
Specificity	This FCGR3B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 12-47 amino acids from the N-terminal region of human FCGR3B.
Preparation and Storage	Maintain refrigerated at 2 degree C to 8 degree C for up to 6 months. For long term storage store at -20 degree C.
Molecular Weight	26,216 Da
OMIM	X16863 mRNA
3D Structure	ModBase 3D Structure for O75015
Target	Human FCGR3B/CD16B
Conjugation	Unconjugated
Epitope	aa12-47
Applications Tested/Suitable for anti-FCGR3B antibody	Immunohistochemistry (IHC), Immunohistochemistry-Paraffin (IHC-P), Western Blot (WB)
Related Product Information for anti-FCGR3B antibody	CD16B antibody is an unconjugated rabbit polyclonal antibody to human CD16B (FCGR3B)(aa12-47). Validated for IHC and WB. Tested on 20 paraffin-embedded human tissues.
Other Notes	Small volumes of anti-FCGR3B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FCGR3B purchase	MBS2402963 is an antibody targeting FCGR3B. Also known as FCGR3B/CD16B Rabbit anti-Human Polyclonal (aa12-47) Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-FCGR3B antibody
FCGR3B/CD16B Antibody-Western blot of lysate from HL-60 cell line with FCGR3B Antibody. Antibody was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 ug.



Immunohistochemistry (IHC) of anti-FCGR3B antibody
FCGR3B/CD16B Antibody-Human Small Intestine, MALT: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunohistochemistry (IHC) of anti-FCGR3B antibody
FCGR3B/CD16B Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCGR3B. It may not necessarily be applicable to this product.

NCBI GI #	132814489
NCBI GeneID	2215
NCBI Accession #	NP_000561.3
UniProt Primary Accession #	O75015
UniProt Related Accession #	O75015
GenBank Nucleotide #	NM_000570
NCBI Official Full Name	low affinity immunoglobulin gamma Fc region receptor III-B isoform 2
NCBI Official Synonym Full Names	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)
NCBI Official Symbol	FCGR3B
NCBI Official Synonym Symbols	CD16; FCG3; CD16b; FCGR3; FCR-10; FCRIII; FCRIIIb
UniProt Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-B
UniProt Synonym Protein Names	Fc-gamma RIII-beta; Fc-gamma RIII; Fc-gamma RIIIb; FcRIII; FcRIIIb; FcR-10; IgG Fc receptor III-1; CD_antigen: CD16b
Protein Family	Low affinity immunoglobulin gamma Fc region receptor
UniProt Gene Name	FCGR3B
UniProt Synonym Gene Names	CD16B; FCG3; FCGR3; IGFR3; Fc-gamma RIII; Fc-gamma RIIIb; FcRIII; FcRIIIb

NCBI Protein Information	low affinity immunoglobulin gamma Fc region receptor III-B; Fc-gamma receptor IIIb (CD 16); fc-gamma RIII-beta; fc-gamma RIIIb; igG Fc receptor III-1
NCBI Summary for FCGR3B	The protein encoded by this gene is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1. [provided by RefSeq, Aug 2012]
UniProt Comments for FCGR3B	Receptor for the Fc region of immunoglobulins gamma. Low affinity receptor. Binds complexed or aggregated IgG and also monomeric IgG. Contrary to III-A, is not capable to mediate antibody-dependent cytotoxicity and phagocytosis. May serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils.
Research Articles on FCGR3B	**1.** In Taiwanese individuals, a low FCGR3A copy number is a common risk factor for systemic lupus erythematosus (SLE) and rheumatoid arthritis (RA), while a low FCGR3B copy number confers a risk of SLE but not RA.
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