



Rabbit Anti-CD16 antibody

SL6028R

Product Name:	CD16
Chinese Name:	FC段γ受体3/免疫球蛋白G Fc段受体III抗体
Alias:	FCG3A_HUMAN; CD 16; CD 16a; 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 III, receptor (CD16); Fc fragment of IgG, low affinity IIIa, receptor (CD16); Fc fragment of IgG, low affinity IIIa, receptor (CD16a); Fc fragment of IgG, low affinity IIIb, receptor (CD16b); Fc fragment of IgG, low affinity IIIb, receptor for (CD16); Fc gamma R3; 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); FCG 3; FCG3; FCgammaRIIIA; FCGR 3; FCGR 3A; FCGR3; FCGR3A; FCGR3A protein; FCGRIII; FcR 10; FcR10; FcRIII; FcRIIIa; IGFR 3; IGFR3; IgG Fc receptor III 1; IgG Fc receptor III 2; immunoglobulin G Fc receptor III; Low affinity IIIa receptor; Low affinity immunoglobulin gamma Fc region receptor III A; Low affinity immunoglobulin gamma Fc region receptor IIIB; neutrophil-specific antigen NA.
文献引用 PubMed :	<p>Specific References(1) SL6028R has been referenced in 1 publications.</p> <p>[IF=2.38]Ding, Peng, et al. "Expression of Tumor-Associated Macrophage in Progression of Human Glioma." Cell Biochemistry and Biophysics (2014): 1-7.IHC-P;Human.</p> <p style="text-align: right;">PubMed:25182001</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications.

	optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	The cell membrane Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IGFR3/CD16:131-230/254<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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. [provided by RefSeq, Jul 2008].</p> <p>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.</p> <p>Subunit: Exists as a heterooligomeric receptor complex with Fc epsilon receptor I gamma subunit and / or the CD3 zeta subunit. Interacts with INPP5D/SHIP1.</p> <p>Subcellular Location: Cell membrane. Secreted. Exists also as a soluble receptor.</p> <p>Tissue Specificity: Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts.</p> <p>Post-translational modifications: Glycosylated. Contains high mannose- and complex-type oligosaccharides. The soluble form is produced by a proteolytic cleavage. [MISCELLANEOUS] Encoded</p>

by one of two nearly identical genes: FCGR3A (Shown here) and FCGR3B which are expressed in a tissue-specific manner. The Phe-203 in III-A determines the transmembrane domains whereas the 'Ser-203' in III-B determines the GPI-anchoring.

Similarity:

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:

P08637

Gene ID:

2214

Database links:

[Entrez Gene: 2214](#)Human

[Entrez Gene: 14131](#)Mouse

[Entrez Gene: 304966](#)Rat

[Olim: 146740](#)Human

[SwissProt: P08637](#)Human

[SwissProt: P08508](#)Mouse

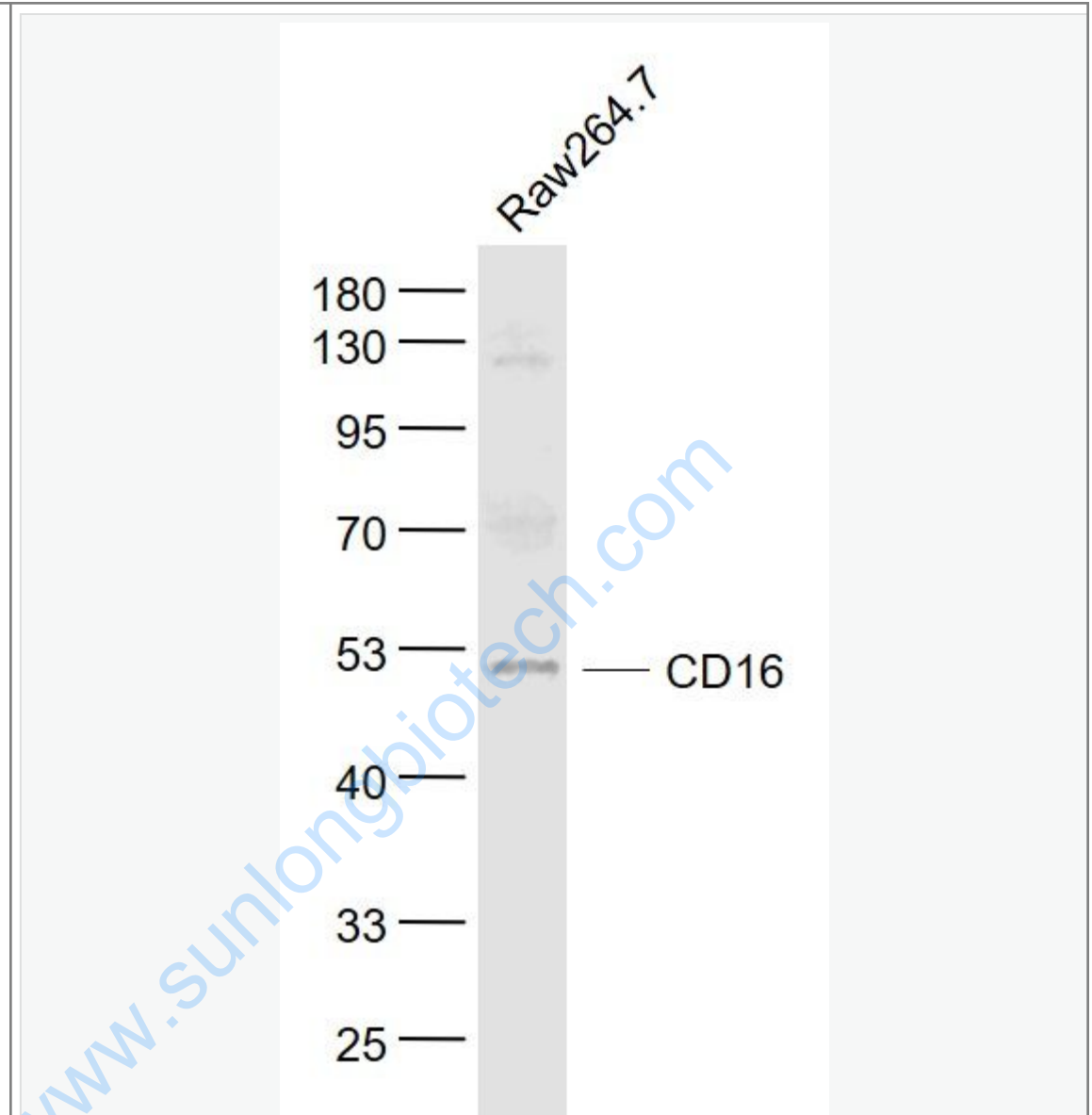
[SwissProt: P27645](#)Rat

[Unigene: 372679](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

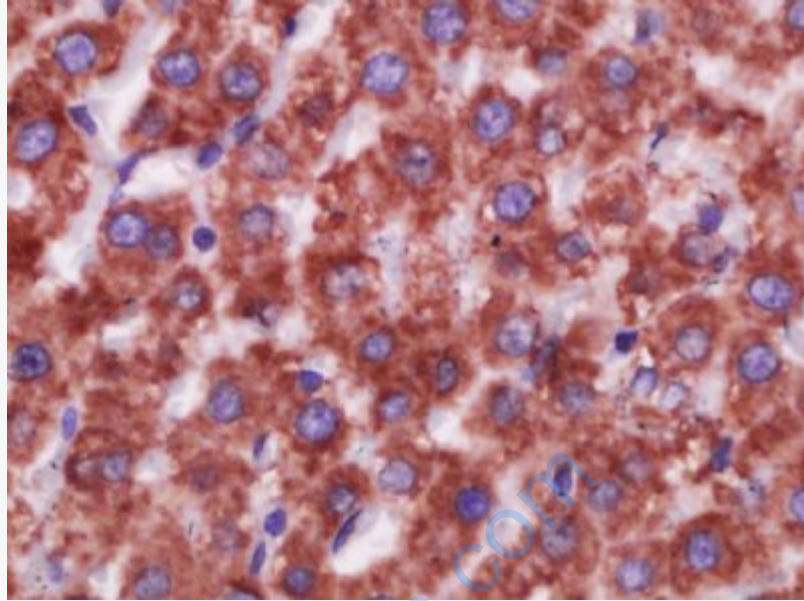
Raw264.7(Mouse) Cell Lysate at 30 ug

Primary: Anti- CD16 (SL6028R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD16) Polyclonal Antibody, Unconjugated (SL6028R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.