

FCG3A Rabbit pAb

CatalogNo: YN2415

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat

Applications

- WB,ELISA

MW

- 27kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 90-170

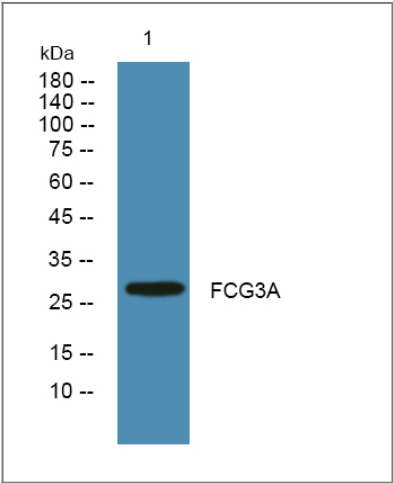
Specificity FCG3A Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name FCGR3A CD16A FCG3 FCGR3 IGFR3

Protein Name	Low affinity immunoglobulin gamma Fc region receptor III-A (CD16a antigen) (Fc-gamma RIII-alpha) (Fc-gamma RIII) (Fc-gamma RIIIa) (FcRIII) (FcRIIIa) (FcR-10) (IgG Fc receptor III-2) (CD antigen CD16a)		
	Organism	Gene ID	UniProt ID
	Human	2214;	P08637;
Cellular Localization	Cell membrane ; Single-pass type I membrane protein . Secreted . Exists also as a soluble receptor. .		
Tissue specificity	Expressed in natural killer cells (at protein level) (PubMed:2526846). Expressed in a subset of circulating monocytes (at protein level) (PubMed:27670158).		
Function	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.,miscellaneous:Encoded 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.,online information:FCGR3A mutation db,polymorphism:Isoform Val-157 shows a higher binding capacity of IgG1, IgG3 and IgG4 compared with isoform Phe-157. Alleles Leu-66 and Phe-157, and alleles His-66 / Arg-66 and Val-157 are in linkage disequilibrium.,PTM:Glycosylated. Contains high mannose- and complex-type oligosaccharides.,PTM:The soluble form is produced by a proteolytic cleavage.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Exists also as a soluble receptor.,subunit:Exists as a hetero-oligomeric receptor complex with Fc epsilon receptor I gamma subunit and / or the CD3 zeta subunit. Interacts with INPP5D/SHIP1.,tissue specificity:Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts.,		

Validation Data



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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