

Goat Anti-CD32 / FCGR2B Antibody
Peptide-affinity purified goat antibody
Catalog # AF1217a

Specification

Goat Anti-CD32 / FCGR2B Antibody - Product Information

| | |
|-------------------|---|
| Application | WB, IHC, Pep-ELISA |
| Primary Accession | P31994 |
| Other Accession | NP_001002275 , 2213 |
| Reactivity | Human |
| Host | Goat |
| Clonality | Polyclonal |
| Concentration | 100ug/200ul |
| Isotype | IgG |
| Calculated MW | 34044 |

Goat Anti-CD32 / FCGR2B Antibody - Additional Information

Gene ID 2213

Other Names

Low affinity immunoglobulin gamma Fc region receptor II-b, IgG Fc receptor II-b, CDw32, Fc-gamma RII-b, Fc-gamma-RIIb, FcRII-b, CD32, FCGR2B, CD32, FCG2, IGFR2

Dilution

WB~~1:1000
IHC~~1:100~500
Pep-ELISA~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CD32 / FCGR2B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CD32 / FCGR2B Antibody - Protein Information

Name FCGR2B

Synonyms CD32, FCG2, IGFR2

Function

Receptor for the Fc region of complexed or aggregated immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. Binding to this receptor results in down-modulation of previous state of cell activation triggered via antigen receptors on B-cells (BCR), T-cells (TCR) or via another Fc receptor. Isoform IIB1 fails to mediate endocytosis or phagocytosis. Isoform IIB2 does not trigger phagocytosis.

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Is the most broadly distributed Fc-gamma-receptor. Expressed in monocyte, neutrophils, macrophages, basophils, eosinophils, Langerhans cells, B-cells, platelets cells and placenta (endothelial cells). Not detected in natural killer cells

Goat Anti-CD32 / FCGR2B Antibody - Protocols

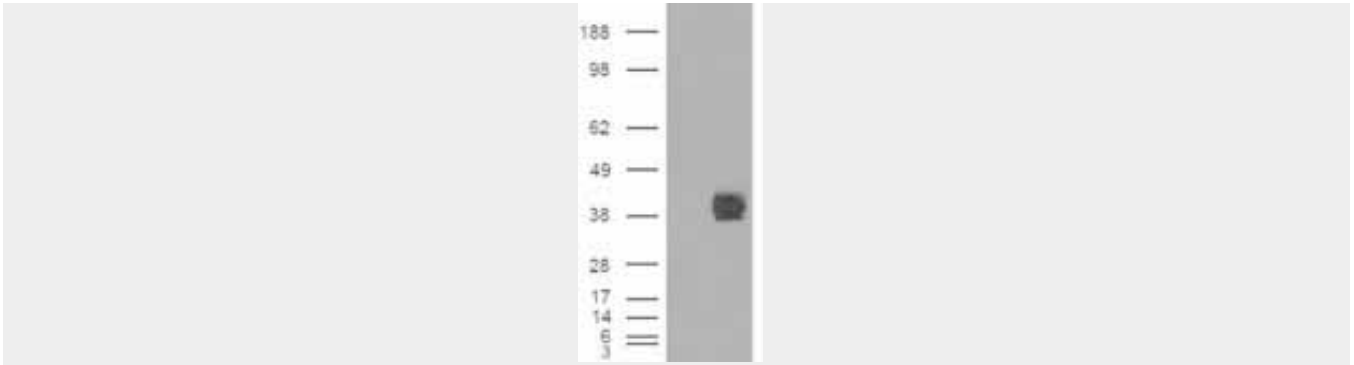
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-CD32 / FCGR2B Antibody - Images



AF1217a (0.3 µg/ml) staining of K562 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1217a HEK293 overexpressing CD32 (RC211982) and probed with (mock transfection in first lane), tested by Origene.



AF1217a (3.75 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-CD32 / FCGR2B Antibody - Background

The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibility to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms have been found for this gene.

Goat Anti-CD32 / FCGR2B Antibody - References

- Dengue hemorrhagic fever is associated with polymorphisms in JAK1. Silva LK, et al. *Eur J Hum Genet*, 2010 Jun 30. PMID 20588308.
- The role of Fc gamma receptors polymorphisms in bullous pemphigoid. Guilabert A, et al. *J Am Acad Dermatol*, 2010 Jul. PMID 20542180.
- Copy number, linkage disequilibrium and disease association in the FCGR locus. Niederer HA, et al. *Hum Mol Genet*, 2010 Aug 15. PMID 20508037.
- An FcγRIIb transmembrane polymorphism in Chinese ITP patients. Xu J, et al. *Platelets*, 2010. PMID 20507212.
- SNPs of Fc-gamma receptor genes and chronic periodontitis. Chai L, et al. *J Dent Res*, 2010 Jul. PMID 20439936.