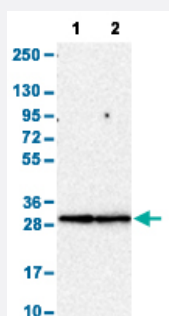


FCGR3A polyclonal antibody

Catalog # PAB30291

Size 100 uL

Applications

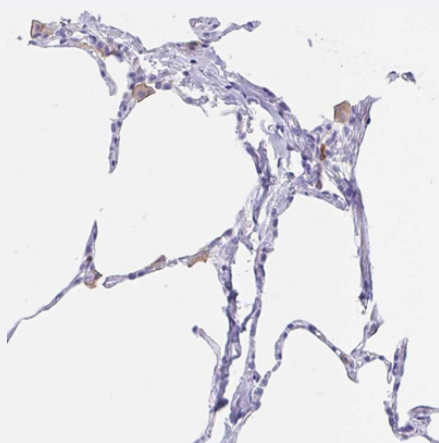


Western Blot (Cell lysate)

Western Blot analysis with FCGR3A polyclonal antibody (Cat # PAB30291).

Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung with FCGR3A polyclonal antibody (Cat # PAB30291) shows positivity in macrophages.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human FCGR3A.
Immunogen	Recombinant protein corresponding to amino acids 227-254 of human FCGR3A.
Sequence	FSVKTNIRSSTRDWKDHKFKWRKDPQDK
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200 - 1:500) Western Blot (1:100 - 1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis with FCGR3A polyclonal antibody (Cat # PAB30291).

Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung with FCGR3A polyclonal antibody (Cat # PAB30291) shows positivity in macrophages.

Gene Info — FCGR3A

Entrez GeneID	2214
Protein Accession#	P08637
Gene Name	FCGR3A
Gene Alias	CD16, CD16A, FCG3, FCGR3, FCGRIII, FCR-10, FCRIII, FCRIIIA, IGFR3
Gene Description	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)
Omim ID	146740 152700
Gene Ontology	Hyperlink

Gene Summary

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 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]

Other Designations

Fc fragment of IgG, low affinity III, receptor for (CD16)|Fc fragment of IgG, low affinity IIIa, receptor for (CD16)|Fc gamma receptor III-A|Fc-gamma RIII-alpha|Fc-gamma RIIIa|Fc-gamma receptor III-2 (CD 16)|Fc-gamma receptor IIIb (CD16)|FcgammaRIIIA|OTTH

Pathway

- [Fc gamma R-mediated phagocytosis](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Systemic lupus erythematosus](#)

Disease

- [Acute Disease](#)
- [Addison Disease](#)
- [Aggressive Periodontitis](#)
- [Agranulocytosis](#)
- [Alveolar Bone Loss](#)
- [Anemia](#)
- [Anti-Glomerular Basement Membrane Disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)

- [Behcet Syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Candidiasis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cell Transformation](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Cryoglobulinemia](#)
- [Cryptococcosis](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Guillain-Barre Syndrome](#)
- [Head and Neck Neoplasms](#)

- [Hepatitis C](#)
- [Herpesviridae Infections](#)
- [Immunologic Deficiency Syndromes](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Lymphoma](#)
- [Malaria](#)
- [Meningococcal Infections](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)
- [Myositis](#)
- [Nephritis](#)
- [Neuroblastoma](#)
- [Neutropenia](#)
- [Papillomavirus Infections](#)
- [Pemphigoid](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Diseases](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)

- [Pneumonia](#)
- [Poliomyelitis](#)
- [Postpoliomyelitis Syndrome](#)
- [Purpura](#)
- [Recurrence](#)
- [Respiratory Tract Infections](#)
- [Rhinitis](#)
- [Sarcoma](#)
- [Scleroderma](#)
- [Seizures](#)
- [Sepsis](#)
- [Stomach Neoplasms](#)
- [Temporal Arteritis](#)
- [Thrombocytopenia](#)
- [Thymoma](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Tract Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Vasculitis](#)
- [Waldenstrom Macroglobulinemia](#)
- [Wegener Granulomatosis](#)