

# GCSF Receptor Rabbit pAb

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Catalog # AP52312

## Product Information

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| <b>Application</b>             | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Primary Accession</b>       | <a href="#">Q99062</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Predicted</b>               | Rat, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Calculated MW</b>           | 92156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human G-CSFR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Epitope Specificity</b>     | 101-200/863                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SUBCELLULAR LOCATION</b>    | Isoform 2: Secreted (Probable). Cell membrane; Single-pass type I membrane protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>DISEASE</b>                 | Defects in CSF3R are the cause of hereditary neutrophilia (NEUTROPHILIA) [MIM:162830]. A form of lifelong, persistent neutrophilia, a condition characterized by an increase in the number of neutrophils in the blood.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Background Descriptions</b> | The protein encoded by the GCSF Receptor gene is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion or recognition processes. Four transcript variants encoding four different isoforms have been found for this gene, of which three are membrane-bound and the one secreted and soluble. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 1441                                                                                                                                                                                            |
| <b>Other Names</b> | Granulocyte colony-stimulating factor receptor, G-CSF receptor, G-CSF-R, CD114, CSF3R, GCSFR                                                                                                    |
| <b>Dilution</b>    | WB=1:500-2000                                                                                                                                                                                   |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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. |

## Protein Information

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | CSF3R                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>          | GCSFR                                                                                                                                                                                                                                                                                                      |
| <b>Function</b>          | Receptor for granulocyte colony-stimulating factor (CSF3), essential for granulocytic maturation. Plays a crucial role in the proliferation, differentiation and survival of cells along the neutrophilic lineage. In addition it may function in some adhesion or recognition events at the cell surface. |
| <b>Cellular Location</b> | [Isoform 2]: Secreted.                                                                                                                                                                                                                                                                                     |
| <b>Tissue Location</b>   | One or several isoforms have been found in myelogenous leukemia cell line KG-1, leukemia U-937 cell line, in bone marrow cells, placenta, and peripheral blood granulocytes. Isoform GCSFR-2 is found only in leukemia U-937 cells. Isoform GCSFR-3 is highly expressed in placenta                        |

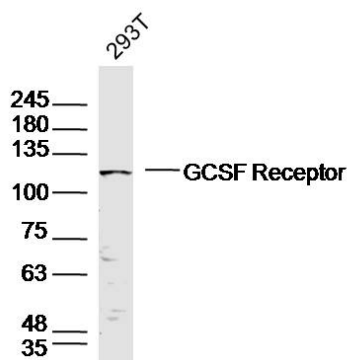
## Background

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## References

Larsen A.,et al.J. Exp. Med. 172:1559-1570(1990).  
Fukunaga R.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:8702-8706(1990).  
Seto Y.,et al.J. Immunol. 148:259-266(1992).  
Haniu M.,et al.Arch. Biochem. Biophys. 324:344-356(1995).  
Fukunaga R.,et al.EMBO J. 10:2855-2865(1991).

## Images



Sample: 293T Cell (Human) Lysate at 30 ug  
Primary: Anti- GCSF Receptor (AP52312) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 95kD  
Observed band size: 120kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.