

Anti-GCSF Receptor Antibody

ER1909-45



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, ELISA, IHC-P
Molecular Wt:	95 KDa

Description: The granulocyte colony-stimulating factor receptor (G-CSF-R) also known as CD114 (Cluster of Differentiation 114) is a protein that in humans is encoded by the CSF3R gene. G-CSF-R is a cell-surface receptor for the granulocyte colony-stimulating factor (G-CSF). The G-CSF receptors belongs to a family of cytokine receptors known as the hematopoietin receptor family. The granulocyte colony-stimulating factor receptor is present on precursor cells in the bone marrow, and, in response to stimulation by G-CSF, initiates cell proliferation and differentiation into mature neutrophilic granulocytes and macrophages. The G-CSF-R is a transmembrane receptor that consists of an extracellular ligand-binding portion, a transmembrane domain, and the cytoplasmic portion that is responsible for signal transduction. GCSF-R ligand-binding is associated with dimerization of the receptor and signal transduction through proteins including Jak, Lyn, STAT, and Erk1/2. The class IV isoform defective for both internalization and differentiation signaling. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. Mutations in the intracellular part of this receptor are also associated with certain types of leukemia.

Immunogen: KLH conjugated synthetic peptide derived from human G-CSFR 101-200/863

Positive control: One or several isoforms have been found in myelogenous leukemia cell line KG-1, leukemia U937 cell line, in bone marrow cells, placenta, and peripheral blood granulocytes. Isoform GCSFR-2 is found only in leukemia U937 cells. Isoform GSCFR-3 is highly expressed in placenta.

Subcellular location: Isoform 2: Secreted (Probable). Cell membrane; Single-pass type I membrane protein.

Database links: SwissProt: Q99062 Human

Recommended Dilutions:

WB	1:500-2000
ELISA	1:5000-10000
IHC-P	1:100-500

Storage Buffer: 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage Instruction: Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

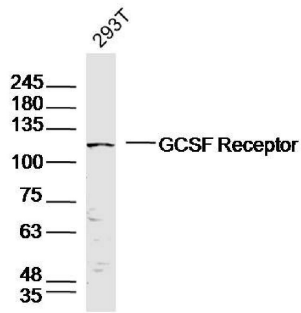


Fig1: Sample: 293T Cell (Human) Lysate at 30 ug
Primary: Anti- GCSF Receptor (ER1909-45) at 1/300 dilution
Secondary: Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 95kD
Observed band size: 120kD

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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