

## G-CSFR Polyclonal Antibody

<b>Catalog No :</b>	YT5527
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	G-CSFR
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction;>>PI3K-Akt signaling pathway;>>JAK-STAT signaling pathway;>>Hematopoietic cell lineage;>>Pathways in cancer
<b>Gene Name :</b>	CSF3R
<b>Protein Name :</b>	Granulocyte colony-stimulating factor receptor
<b>Human Gene Id :</b>	1441
<b>Human Swiss Prot No :</b>	Q99062
<b>Mouse Swiss Prot No :</b>	P40223
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human CSF3R. AA range:321-370
<b>Specificity :</b>	G-CSFR Polyclonal Antibody detects endogenous levels of G-CSFR protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 92kD

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**Cell Pathway :** Cytokine-cytokine receptor interaction;Jak\_STAT;Hematopoietic cell lineage;Pathways in cancer;

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**Background :** The protein encoded by this 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. Alternatively spliced transcript variants have been described. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. [provided by RefSeq, Aug 2010],

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**Function :** alternative products:Additional isoforms seem to exist. Experimental confirmation may be lacking for some isoforms,disease:Defects in CSF3R may be a cause of severe congenital neutropenia (SCN) in some patients.,domain:The box 1 motif is required for JAK interaction and/or activation.,domain:The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.,function:Receptor for granulocyte colony-stimulating factor (CSF3). In addition it may function in some adhesion or recognition events at the cell surface.,similarity:Belongs to the type I cytokine receptor family. Type 2 subfamily.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 5 fibronectin type-III domains.,subunit:Homodimer. The dimeric receptor binds two CSF3 molecules.,tissue specificity:One or several isoform

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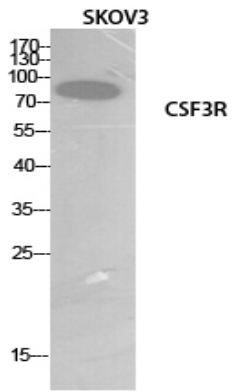
**Subcellular Location :** [Isoform 2]: Secreted .; Cell membrane ; Single-pass type I membrane protein .

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**Expression :** 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.

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## Products Images



Western Blot analysis of SKOV3 cells using G-CSFR Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000