

G-CSFR Polyclonal Antibody

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

Observed Band : 92kD

Cell Pathway : Cytokine-cytokine receptor interaction;Jak_STAT;Hematopoietic cell lineage;Pathways in cancer;

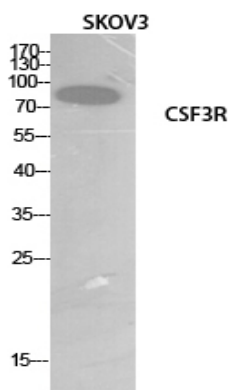
Background : The protein encoded by this gene is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion 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],

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

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

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.

Products Images



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