Product Name: G-CSFR Rabbit Polyclonal Antibody
Catalog #: APRab11371
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight	92kDa

Antigen Information

Gene Name	CSF3R
Alternative Names	CSF3R; GCSFR; Granulocyte colony-stimulating factor receptor; G-CSF receptor; G-CSF-R; CD114
Gene ID	1441.0
SwissProt ID	Q99062
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human CSF3R. AA range:321-370

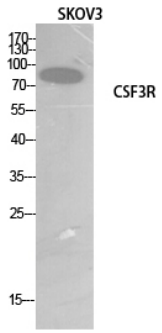
Background

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],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 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.,

Research Area

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

Image Data



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