

Product name:	G-CSFR Rabbit Polyclonal Antibody
Cat number:	ABN11371
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from the Internal region of human CSF3R. AA range:321-370
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight:	92kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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.,