

Product datasheet for **AP51098PU-N**

GCSF Receptor (CSF3R) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/1000. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 252~280 amino acids from the Center region of human CSF3R
Specificity:	This antibody recognizes Human CD114 / CSF3R (Center).
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	colony stimulating factor 3 receptor
Database Link:	Entrez Gene 1441 Human Q99062



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Background:

CSF3R 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. Four transcript variants encoding four different isoforms have been found for this gene, with three of the isoforms being membrane-bound and the other being secreted and soluble.

Synonyms:

G-CSF-R, GCSFR, GCSF Receptor, G-CSF Receptor

Note:

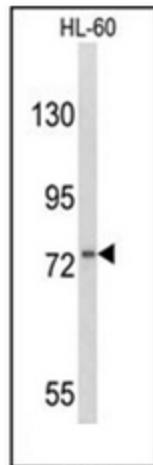
Molecular Weight: 92156 Da

Protein Families:

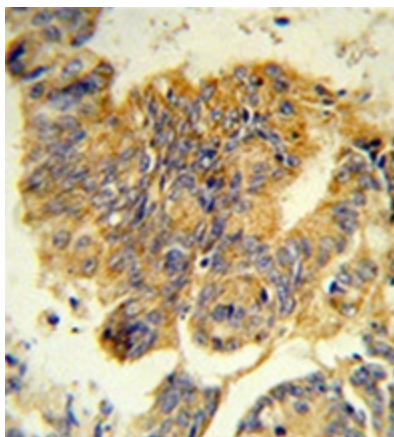
Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways:

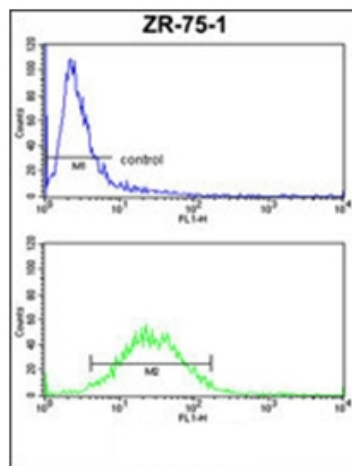
Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway, Pathways in cancer

Product images:


Western blot analysis of CD114 / CSF3R Antibody (Center) in HL-60 cell line lysates (35ug/lane). CSF3R (arrow) was detected using the purified Pab.



Formalin-fixed, paraffin-embedded human colon carcinoma reacted with CD114 / CSF3R Antibody (Center) which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Flow Cytometry analysis of ZR-75-1 cells using CD114 / CSF3R Antibody (Center) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.