

For Research Use Only

G-CSFR Polyclonal ANTIBODY



Catalog Number: 18310-1-AP

1 Publications

Basic Information

Catalog Number:
18310-1-AP

Size:
30 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:

GenBank Accession Number:
BC053585

GeneID (NCBI):
1441

Full Name:
colony stimulating factor 3 receptor
(granulocyte)

Calculated MW:
95 kDa

Observed MW:
85 kDa

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
FC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human placenta tissue;

Background Information

G-CSF-R, also named as CSF3R, CD114 and GCSFR is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. It is a 130 kD to 150 kD glycoprotein single chain receptor which binds and activated by G-CSF. In addition it may function in some adhesion or recognition events at the cell surface. It has been classified as a member of the hematopoietic (cytokine) receptor family, cytokine receptor class I, or the gp 130 related cytokine receptor family (although it does not apparently bind to gp 130). G-CSF receptors can be found on neutrophils, myeloid leukemia cells that respond to G-CSF, bone marrow cells of neutrophilic granulocyte lineage, and on placental trophoblasts. In addition, a soluble form is also expressed. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia.

Notable Publications

Author	Pubmed ID	Journal	Application
Yang Cheng	30779348	J Cell Physiol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

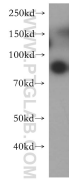
For technical support and original validation data for this product please contact:

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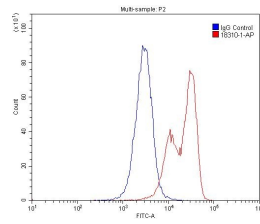
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 18310-1-AP(G-CSFR antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours



1X10⁶ U-937 cells were stained with 0.2 μ g G-CSFR antibody (18310-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min), Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.