abcam

ab181053

Anti-G-CSF antibody [EPR3203(N)(B)]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR3203(N)(B)
Purification technique	Affinity purification Protein A
Concentration	1.856 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/100
Notes	**For unpurified use at 1/20 dilution.**

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000 - 1/10000
Notes	-

Species	Rat
Dilution info	1/1000 - 1/10000
Notes	-

Species	Human
Dilution info	1/1000 - 1/10000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/500
Notes	**For unpurified use at 1/50 - 1/100 dilution.**

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/200
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information CSF3

Function	Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. This CSF induces granulocytes.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

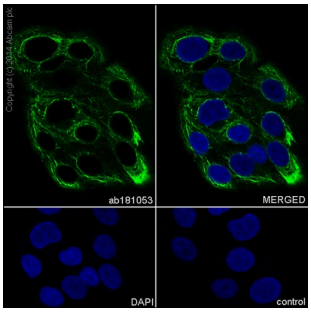
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

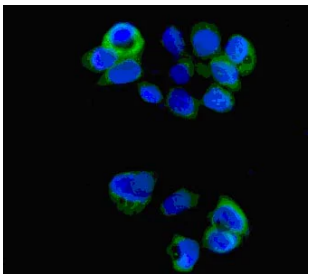
6 product images



Immunocytochemistry/ Immunofluorescence - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053)

G-CSF Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-G-CSF antibody

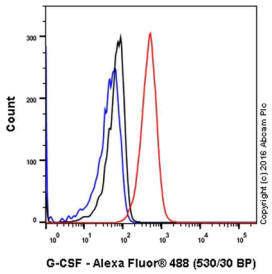
Immunocytochemistry/ Immunofluorescence analysis of BxPC-3 (Human pancreas adenocarcinoma epithelial cell) cells labeling G-CSF with Purified ab181053 at 1:500 dilution (4.0µg/ml). Cells were fixed in 100% Methanol. ab150077 Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear was used as a counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunocytochemistry/ Immunofluorescence - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053)

G-CSF Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-G-CSF antibody

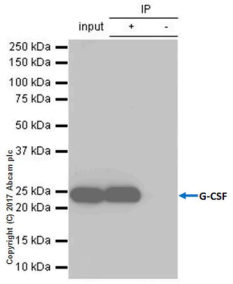
Immunofluorescent analysis of HT-1376 cells (paraformaldehyde-fixed, 4%) labeling G-CSF with unpurified ab181053 at 1/100 dilution followed by Goat anti rabbit IgG (Alexa Fluor® 488) secondary at 1/200 dilution and counter-stained with DAPI (blue).



Flow Cytometry (Intracellular) - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053)

G-CSF Flow Cytometry (Intracellular) staining using rabbit Anti-G-CSF antibody

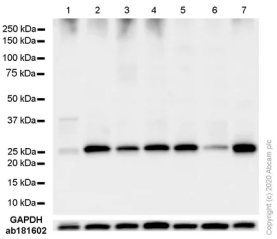
Intracellular Flow Cytometry analysis of K562 (human chronic myelogenous leukemia) cells labeling G-CSF with purified ab181053 at 1/200 dilution (10ug/mL) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Immunoprecipitation - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053)

ab181053 (purified) at 1:100 dilution (2ug) immunoprecipitating G-CSF in K562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate.
Lane 1 (input): K562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate 10ug
Lane 2 (+): ab181053 & K562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab181053 in K562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate.
For western blotting, VeriBlot for IP Detection Reagent (HRP) (ab131366) was used for detection at 1:1000 dilution.
Blocking and diluting buffer: 5% NFDM/TBST."
All lanes:
Immunoprecipitation - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053)

Predicted band size: 22 kDa



Western blot - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053)

G-CSF Western blot staining using rabbit Anti-G-CSF antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Exposure time: 4 s

All lanes:
Western blot - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053) at 1/1000 dilution

Lane 1:
A549 (Human lung carcinoma epithelial cell) cell lysate at 10 µg

Lane 2:
K-562 (Human chronic myelogenous leukemia lymphoblast) cell lysate at 10 µg

Lane 3:
HepG2 (Human hepatocellular carcinoma epithelial cell) cell lysate at 10 µg

Lane 4:
HeLa (Human cervix adenocarcinoma epithelial cell) cell lysate at 10 µg

Lane 5:
MCF7 (Human breast adenocarcinoma epithelial cell) cell lysate at 10 µg

Lane 6:
MOLT-4 (Human lymphoblastic leukemia T lymphoblast) cell lysate at 10 µg

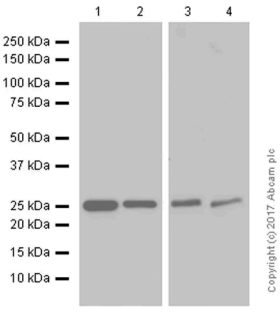
Lane 7:
PC-3 (Human prostate adenocarcinoma epithelial cell) cell lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 22 kDa

Observed band size: 25 kDa



Western blot - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053)

Blocking and diluting buffer: 5% NFDM/TBST
All lanes:
Western blot - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053) at 1/2000 dilution

Lane 1:
K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysates at 20 µg

Lane 2:
HT-1376 (Human urinary bladder carcinoma epithelial cell) whole cell lysates at 20 µg

Lane 3:
Mouse brain lysates at 20 µg

Lane 4:
Rat brain lysates at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 22 kDa

Observed band size: 25 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.