

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

重组 RabMAb

★★★★★ **1 Abreviews** **10 References** **9 图像**

概述

产品名称	Anti-G-CSF抗体[EPR3203(N)(B)]
描述	兔单克隆抗体[EPR3203(N)(B)] to G-CSF
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, ICC/IF, IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: A549, K-562, HepG2, HeLa, MCF7, MOLT-4, PC-3, KM3, NCI-H460 and HT-1376 cell lysates; Mouse and rat brain lysates. ICC/IF: BxPC-3 and HT-1376 cells. IP: G-CSF IP in K562 cell lysate. Flow Cyt (intra): K562 cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, PBS, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3203(N)(B)
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab181053于以下的经测试应用

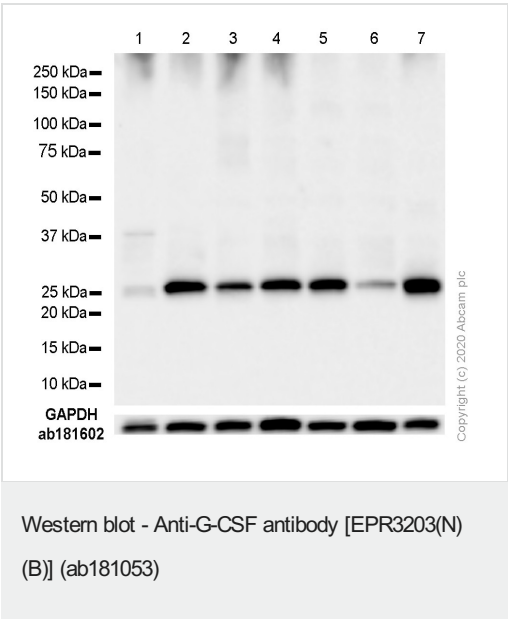
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/200.
WB		1/1000 - 1/10000. Detects a band of approximately 22 kDa (predicted molecular weight: 22 kDa).
ICC/IF		1/500. For unpurified use at 1/50 - 1/100 dilution.
IP		1/100. For unpurified use at 1/20 dilution.

靶标

功能	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.
序列相似性	Belongs to the IL-6 superfamily.
翻译后修饰	O-glycan consists of Gal-GalNAc disaccharide which can be modified with up to two sialic acid residues (done in recombinantly expressed G-CSF from CHO cells).
细胞定位	Secreted.

图片



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

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

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

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

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

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

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

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

Lysates/proteins at 10 µg per lane.

Secondary

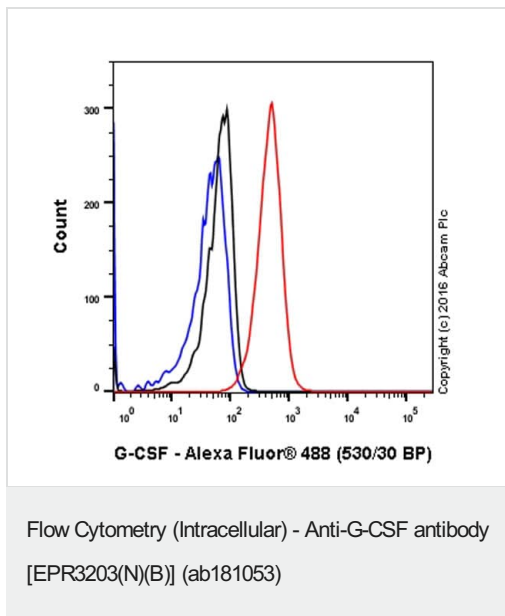
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 22 kDa

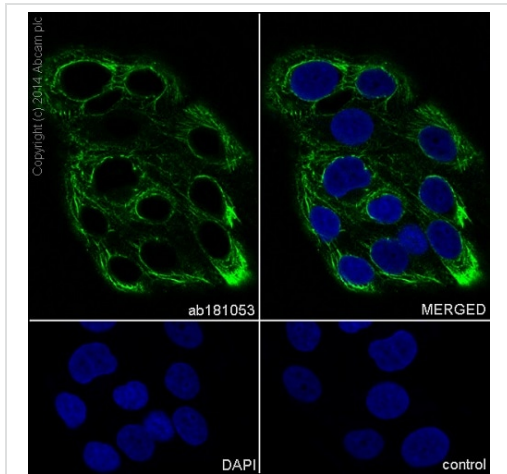
Observed band size: 25 kDa

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

Exposure time: 4 s

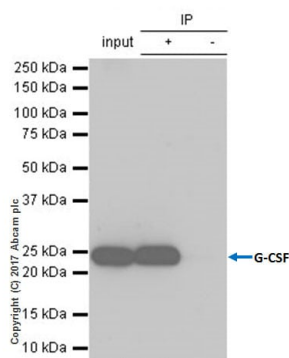


Intracellular Flow Cytometry analysis of K562 (human chronic myelogenous leukemia) cells labeling G-CSF with purified ab181053 at 1/200 dilution (10 µg/mL) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution 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.



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

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.



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

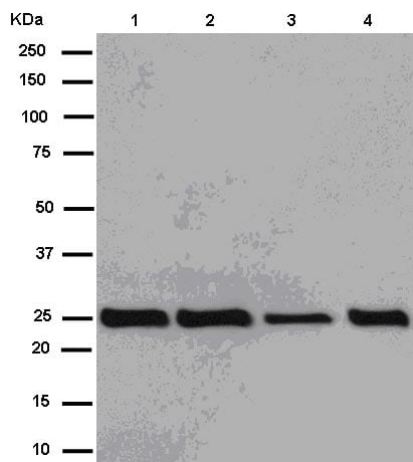
ab181053 (purified) at 1:100 dilution (2ug) immunoprecipitating G-CSF in K562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate.

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."



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

All lanes : Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053) at 1/2000 dilution (unpurified)

Lane 1 : K562 cell lysate

Lane 2 : KM3 cell lysate

Lane 3 : NCI-H460 cell lysate

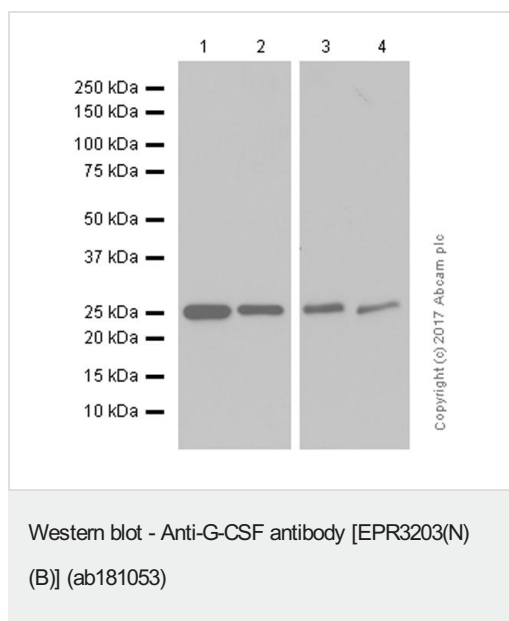
Lane 4 : HT-1376 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L) HRP at 1/1000 dilution

Predicted band size: 22 kDa



All lanes : Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053) at 1/2000 dilution (purified)

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

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

Lane 3 : Mouse brain lysates

Lane 4 : Rat brain lysates

Lysates/proteins at 20 µg per lane.

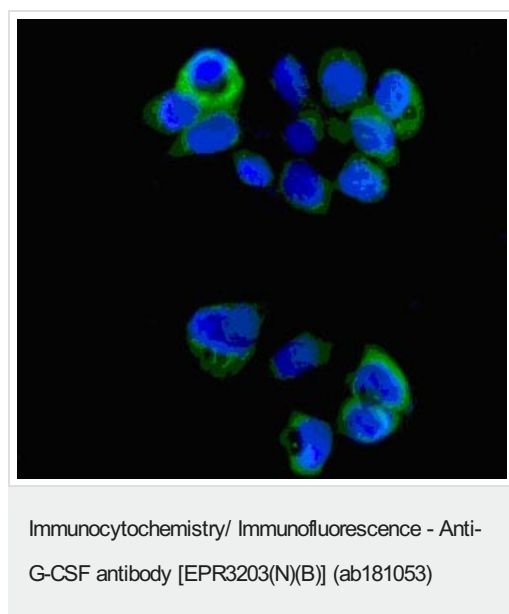
Secondary

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

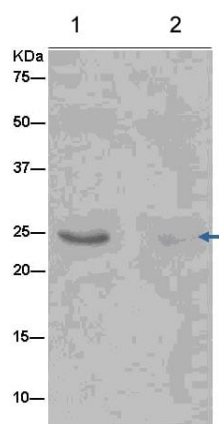
Predicted band size: 22 kDa

Observed band size: 25 kDa

Blocking and diluting buffer: 5% NFDM/TBST



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).



Western blot analysis of immunoprecipitation pellet from K562 cell lysate (lane 1) or a Negative control (lane 2) immunoprecipitated using unpurified ab181053 at 1/20 dilution.

Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

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

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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