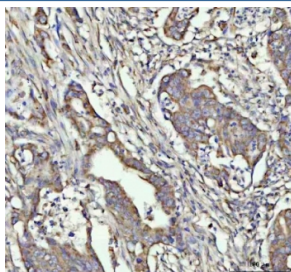


G-CSF Antibody / Granulocyte-colony stimulating factor (R31928)

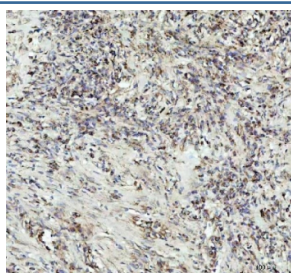
Catalog No.	Formulation	Size
R31928	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

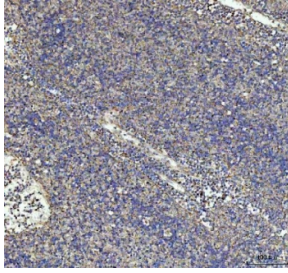
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P09919
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml ELISA : 0.1-0.5ug/ml (human protein tested)
Limitations	This G-CSF antibody is available for research use only.



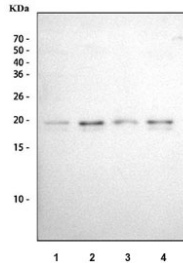
IHC staining of FFPE human rectum adenocarcinoma tissue with G-CSF antibody.
HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung squamous cell carcinoma tissue with G-CSF antibody.
HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human spleen tissue with G-CSF antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HeLa, 2) HepG2, 3) MOLT4 and 4) MCF7 cell lysate with G-CSF antibody. Expected molecular weight ~22 kDa.

Description

Granulocyte-colony stimulating factor (G-CSF or GCSF), also known as colony-stimulating factor 3 (CSF3), is a glycoprotein that stimulates the bone marrow to produce granulocytes and stem cells and release them into the bloodstream. Functionally, it is a cytokine and hormone, a type of colony-stimulating factor, and is produced by a number of different tissues. The pharmaceutical analogs of naturally occurring G-CSF are called filgrastim and lenograstim. G-CSF also stimulates the survival, proliferation, differentiation, and function of neutrophil precursors and mature neutrophils.

Application Notes

Optimal dilution of the G-CSF antibody should be determined by the researcher.

Immunogen

Amino acids 38-207 of human G-CSF were used as the immunogen for the G-CSF antibody.

Storage

After reconstitution, the G-CSF antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.