

## CD114/CSF3R polyclonal antibody

Catalog: NCP0250P

Host: Rabbit

Reactivity: Human, Mouse

### BackGround:

Granulocyte colony-stimulating factor receptor (G-CSF-R) is a transmembrane protein comprised of an immunoglobulin-like (Ig-like) domain, a cytokine receptor-homologous (CRH) domain, and three fibronectin type III (FN III) domains. G-CSF-R is expressed on all granulocytic lineages, including progenitor cells, and has been detected on monocytes, T and B lymphocytes, as well as non-hematopoietic tissues including cardiomyocytes and neural stem cells. The primary ligand for G-CSF-R is the cytokine granulocyte colony-stimulating factor (G-CSF). G-CSF-R has no intrinsic tyrosine kinase activity; ligand binding induces conformational changes in the receptor, leading to activation of the Jak/Stat, PI3K/Akt, and MAPK pathways. G-CSF induces differentiation and proliferation of myeloid progenitor cells into neutrophils. Multiple diseases have been associated with mutations of the G-CSF-R gene, CSF3R, including severe congenital neutropenia (SCN), chronic neutrophilic leukemia (CNL), and atypical chronic myeloid leukemia (aCML).

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

~ 105 kDa

### Swiss-Prot:

Q99062

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000~1:2000

IF 1:100 - 1:500

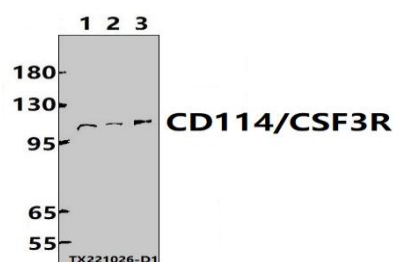
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CD114/CSF3R polyclonal antibody detects endogenous levels of CD114/CSF3R protein.

### DATA:

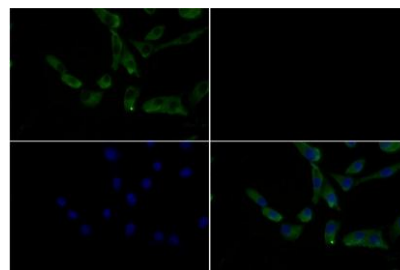


Western blot (WB) analysis of CD114/CSF3R polyclonal antibody at 1:1000 dilution

Lane1:A549 whole cell lysate(30ug)

Lane2:SP2/0 whole cell lysate(30ug)

Lane3:The Brain tissue lysate of Mouse(30ug)



Immunofluorescence analysis of MG63 cells using CD114/CSF3R pAb at dilution of 1:200 (40x lens).

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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