

## CXCL12 polyclonal antibody

Catalog: BS90348

Host: Rabbit

Reactivity: Human

### BackGround:

The stromal cell-derived factor 1 (SDF1), also known as C-X-C motif chemokine 12 (CXCL12), is a chemokine protein that in humans is encoded by the CXCL12 gene on chromosome 10. It is ubiquitously expressed in many tissues and cell types. Stromal cell-derived factors 1-alpha and 1-beta are small cytokines that belong to the chemokine family, members of which activate leukocytes and are often induced by proinflammatory stimuli such as lipopolysaccharide, TNF, or IL1. The chemokines are characterized by the presence of 4 conserved cysteines that form 2 disulfide bonds. They can be classified into 2 subfamilies. In the CC subfamily, the cysteine residues are adjacent to each other. In the CXC subfamily, they are separated by an intervening amino acid. The SDF1 proteins belong to the latter group. CXCL12 signaling has been observed in several cancers. The CXCL12 gene also contains one of 27 SNPs associated with increased risk of coronary artery disease.

### Product:

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

### Molecular Weight:

10 kDa

### Swiss-Prot:

P48061(Human)

### Purification&Purity:

Protein affinity purified

### Applications:

WB:1:500

IHC:1:50-1:200

FC:1:50-1:100

### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

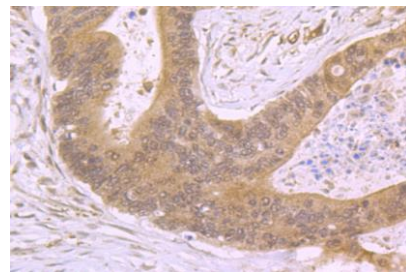
### Specificity:

CXCL12 polyclonal antibody detects endogenous levels of CXCL12 protein.

### DATA:



Western blot analysis of SDF1 on Hela cell lysate using anti-SDF1 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-SDF1 antibody. Counter stained with hematoxylin.

### Note:

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

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