

CX3CR1 polyclonal antibody

Catalog: BS60627

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Chemokines are chemoattractant proteins that are divided into subfamilies based upon cysteine signature motifs termed C, CC, CXC and CX3C. Fractalkine, also designated CX3CL1, contains the CX3C motif and is widely expressed in brain and upregulated in endothelial cells in response to inflammatory signals, such as LPS, IL-1, TNF and CD40L. Fractalkine exists both as a membrane-bound form and as a chemotactic soluble form, and binds its cognate receptor, CX3CR1, with high affinity, to induce leukocyte adhesion and migration or chemotactic functions. CX3CR1, previously designated V28 and chemokine β receptor-like 1 (CMKBRL1), is expressed in neutrophils, monocytes, T lymphocytes and several organs including brain. CX3CR1 also functions with CD4 as a co-receptor for the HIV-1 virus envelope protein, and patients homozygous for a variant haplotype of CX3CR1 progress to AIDS more rapidly than those with other haplotypes. CX3CR1 may also be involved in the pathogenesis of atherosclerotic coronary artery disease (CAD) and is considered a potential drug target for therapeutic intervention of endothelium-related inflammatory diseases.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 44 kDa

Swiss-Prot:

P49238

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: 1:500~1:1000

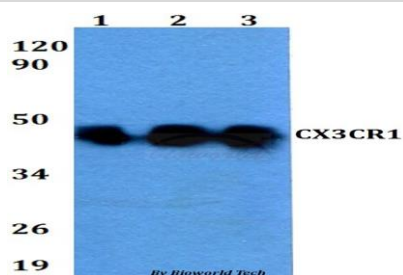
Storage&Stability:

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

Specificity:

CX3CR1 polyclonal antibody detects endogenous levels of CX3CR1 protein.

DATA:



Western blot (WB) analysis of CX3CR1 polyclonal antibody at 1:500 dilution

Lane1:MCF-7 whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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