

CXCR4 (phospho-S339) polyclonal antibody

Catalog: BS4688

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The C-X-C or α chemokine family is characterized by a pair of cysteine residues separated by a single amino acid and primarily functions as chemoattractants for neutrophils. The C-X-C family includes IL-8, NAP-2, MSGA and stromal cell derived factor-1 or SDF-1. SDF-1 was originally described as a pre-B cell stimulatory factor, but has now been shown to function as a potent chemoattractant for T cells and monocytes but not neutrophils. Receptors for the C-X-C family are G protein coupled, seven pass transmembrane domain proteins which include IL-8RA, IL-8RB and fusin (variously referred to as LESTR or CXCR-4). Fusin is highly homologous to the IL-8 receptors, sharing 37% sequence identity at the amino acid level. The IL-8 receptors bind to IL-8, NAP-2 and MSGA, while fusin binds to its cognate ligand, SDF-1. Fusin has been identified as the major coreceptor for T-tropic HIV-1 and SDF-1 has been shown to inhibit HIV-1 infection.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 40-47 kDa

Swiss-Prot:

P61073

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

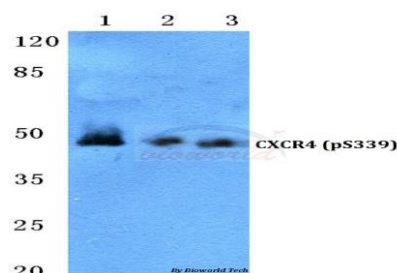
Storage&Stability:

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

Specificity:

p-CXCR4 (S339) polyclonal antibody detects endogenous levels of CXCR4 protein only when phosphorylated at Ser339.

DATA:



Western blot (WB) analysis of p-CXCR4 (S339) polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate treated with colchicine (0.2 µg/ML, 24h)

Lane2: Mouse spleen tissue lysate

Lane3: Rat spleen tissue lysate

Note:

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

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