

CXCL12/SDF1 Polyclonal Antibody

Catalog Number:E-AB-40578



Note: Centrifuge before opening to ensure complete recovery of vial contents.

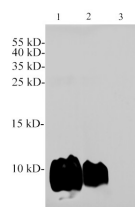
Description

Reactivity	Human,Mouse,Rat
Immunogen	Recombinant Rat CXCL12 protein expressed by E.coli.
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol,pH 7.4

Applications Recommended Dilution

WB	1:2000-4000
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Data



Western blotting with anti-CXCL12 polyclonal antibody at dilution of 1:2000. Lane 1: THP-1 cell lysate, lane 2: Raw264.7 cell lysate, lane 3: K562 cell lysate for negative control.

Observed Mw:10kDa

Calculated Mw:10kDa



Western blot of Rat testis with CXCL4 polyclonal antibody at 1:1000 dilution.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

The stromal cell derived factor 1 (SDF1/CXCL12) is a small, pro-inflammatory chemoattractant cytokine that regulates leukocyte trafficking through interactions with its cognate 7-transmembrane G protein-coupled receptors. The SDF1/CXCL12 receptor, CXCR4, also serves as a coreceptor for the entry of human immunodeficiency virus into target cells. SDF1/CXCL12 may regulate homing and maintenance of CXCR4-expressing stem or progenitor cells, including embryonic and many somatic stem cells. Many cancer cells express CXCR4, suggesting that SDF1/CXCL12 plays a role in cancer metastasis. Alternative splicing and differential processing during maturation produce a pair of SDF1/CXCL12 isoforms (SDF1/CXCL12 α and SDF1/CXCL12 β) that have different properties and biological activities. Additional isoforms of SDF1/CXCL12 have been reported.

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