

SDF-1 rabbit pAb

Cat No.: ES3414

For research use only

Overview

Product Name SDF-1 rabbit pAb

Host species Rabbit

Applications IF;WB;IHC;ELISA **Species Cross-Reactivity** Human;Mouse;Rat

Recommended dilutions IF: 1:50-200 Western Blot: 1/500 - 1/2000.

Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human SDF-1. AA range:44-93

Specificity SDF-1 Polyclonal Antibody detects endogenous

levels of SDF-1 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

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

Protein Name Stromal cell-derived factor 1

Gene Name CXCL12 **Cellular localization** Secreted.

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 10kD
Human Gene ID 6387
Human Swiss-Prot Number P48061

Alternative Names CXCL12; SDF1; SDF1A; SDF1B; Stromal cell-derived

factor 1; SDF-1; hSDF-1; C-X-C motif chemokine 12; Intercrine reduced in hepatomas; IRH; hIRH; Pre-B

cell growth-stimulating factor; PBSF

Background C-X-C motif chemokine ligand 12(CXCL12) Homo

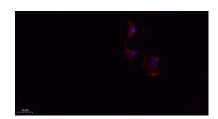
sapiens This antimicrobial gene encodes a stromal cell-derived alpha chemokine member of the intercrine family. The encoded protein functions



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as the ligand for the G-protein coupled receptor, chemokine (C-X-C motif) receptor 4, and plays a role in many diverse cellular functions, including embryogenesis, immune surveillance, inflammation response, tissue homeostasis, and tumor growth and metastasis. Mutations in this gene are associated with resistance to human immunodeficiency virus type 1 infections. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014],



Immunofluorescence analysis of A549. 1,primary
Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat
Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary
antibody was diluted at 1:1000(room temperature,
50min).3, Picture B: DAPI(blue) 10min.

