



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; Interkrine 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 interkrine family. The encoded protein functions





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.

