

SDF-1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251289

Unit: 0.1 mg

Description:

Stromal-Derived Factor (SDF-1) is a chemoattractant active on T-lymphocytes and monocytes, but not neutrophils. This cytokine activates the C-X-C chemokine receptor CXCR4 to induce a rapid and transient rise in the level of intracellular calcium ions and chemotaxis. SDF-1-alpha (3-67) and SDF-1-beta (3-72) show a reduced chemotactic activity. Binding to cell surface proteoglycans inhibits formation of SDF-1-alpha (3-67), preserving the activity of SDF-1 on local sites. SDF-1 acts as a positive regulator of monocyte migration and a negative regulator of monocyte adhesion via the Lyn kinase. SDF-1 stimulates migration of monocytes through its receptor, CXCR4, and decreases monocyte adherence to surfaces coated with ICAM-1, a ligand for beta-2 integrins.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R, P, Ck, D

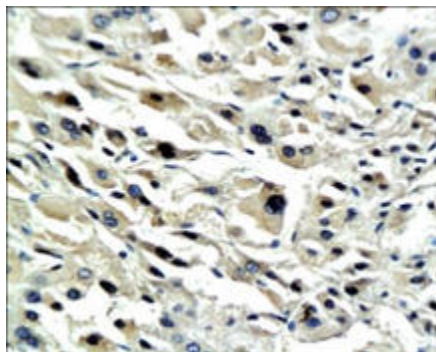
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: SDF-1; CXCL12; Stromal cell-derived factor 1; hSDF-1; C-X-C motif chemokine 12; Pre-B cell growth-stimulating factor; Interocrine reduced in hepatomas; IRH; PBSF; hIRH; SDF1; SDF1A; SDF1B

Accession No.: P48061

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SDF-1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



SDF-1 staining in human liver cancer. Paraffin-embedded human liver cancer is stained with SDF-1 antibody (Cat. No. 251289) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.