

SDF-1 β Polyclonal Antibody

CATALOG NO: 5393-30T 30 μ g (Trial size)
5393-100 100 μ g

HOST: Rabbit

IMMUNOGEN: *E. coli*-expressed mouse SDF-1 β (Internal ID# BV-C68G)

FORMULATION:

0.5 mg/ml Protein A purified rabbit anti-SDF-1 β polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin

SPECIES REACTIVITY: Mouse, rat

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

SDF-1 β (stromal cell-derived factor- β), also known as pre-B-cell growth-stimulating factor (PBSF), is a 74-amino acid CXC chemokine originally cloned from a bone marrow stromal cell line. Targeted deletion of SDF-1 gene resulted in defects of B-cell lymphopoiesis and bone marrow myelopoiesis. SDF-1 has been shown to be chemotactic for lymphocytes. In addition, SDF-1 was recently reported to be a ligand for CXCR4 (LESTR/fusin), a co-receptor for HIV-1 entry into T cells. SDF-1 binding to CXCR4 inhibits HIV-1 entry.

APPLICATION AND SPECIFICITY:

The antibody can be used for Western blot analysis (0.5-4 μ g/ml). Per researcher's feedback, the antibody can be used in immunoprecipitation (4-8 μ g/ml) and immunohistochemistry (10-20 μ g/ml). However, the optimal conditions should be determined individually. Cross-reactivity to SDF-1 β of other species has not been determined.



FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies