

Rabbit SDF-1 ALPHA Polyclonal Antibody | anti-SDF-1 ALPHA antibody

RABBIT ANTI HUMAN SDF-1 ALPHA

CATALOG # AAA49967	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Functional Assay, ELISA
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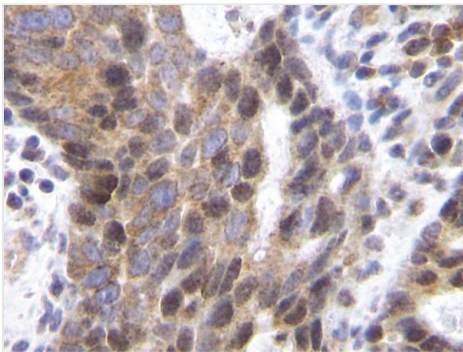
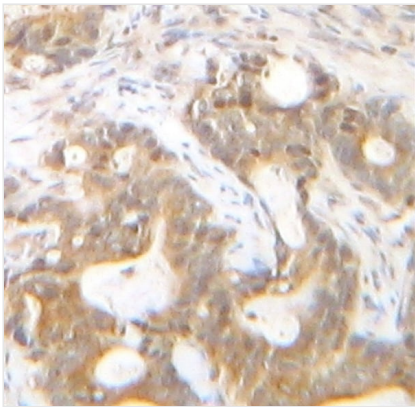
PRODUCT SYNONYMS

SDF-1 ALPHA; Polyclonal Antibody; RABBIT ANTI HUMAN SDF-1 ALPHA; anti-SDF-1 ALPHA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Form/Format	Purified Purified IgG - lyophilised
Concentration	IgG concentration 1.0 mg/ml after reconstitution. (varies by lot)
Sequence Length	93
Applicable Applications for anti-SDF-1 ALPHA antibody	WB (Western Blot), IHC (Immunohistochemistry), FA (Functional Assay), ELISA
Reconstitution	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.
Histology Positive Control Tissue	Human colorectal adenocarcinoma Buffer Solution
Antiserum Preparation	Antisera to human SDF-1 alpha were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Target Species	Human
Preparation and Storage	Prior to reconstitution store at 4 degree C. After reconstitution store at -20 degree C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.

IMAGES



Application Data
Formalin fixed, paraffin embedded human colorectal carcinoma stained with Rabbit anti Human SDF-1α (AAA49967) following heat mediated antigen retrieval using sodium citrate buffer (pH6.0)

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ADDITIONAL INFORMATION

Related Product Information for anti-SDF-1 ALPHA antibody	Rabbit anti Human SDF-1 alpha antibody recognizes human SDF-1 alpha, otherwise known as CXCL12a, a 68 amino acid stromal cell derived CXC chemokine, which arises from alternative splicing of the SDF-1 gene. The two isoforms, SDF-1 alpha and SDF-1 beta, share an identical amino acid sequence, except for an additional four residues in the C-Terminal region of the beta isoform. SDF-1 binds with high-affinity to the G protein -coupled receptor CXCR4 (fusin) and acts as a chemoattractant for T and B lymphocytes, monocytes and migratory neurons, and is a vital factor in haematopoiesis and angiogenesis. By competitively binding to CXCR4, SDF-1 acts as an inhibitor for the CXCR4-mediated entry of HIV-1 virus into target T-cells, and the SDF-1-CXCR4 interaction is important for the regulation of trafficking of normal and malignant stem cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10834988
NCBI GeneID	6387
NCBI Accession #	NP_000600.1
NCBI GenBank Nucleotide #	NM_000609.6
UniProt Accession #	P48061; Q2L985; Q2L986; Q2L988; Q5IT36; Q6ICW0; Q9H554; B2R4G0; E7EVL0; H7BYN8
Molecular Weight	11,004 Da
NCBI Official Full Name	stromal cell-derived factor 1 isoform beta
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 12
NCBI Official Symbol	CXCL12
NCBI Official Synonym Symbols	IRH; PBSF; SDF1; TLSF; TPAR1; SCYB12
NCBI Protein Information	stromal cell-derived factor 1; intercrine reduced in hepatomas; pre-B cell growth-stimulating factor
UniProt Protein Name	Stromal cell-derived factor 1
UniProt Gene Name	CXCL12
UniProt Synonym Gene Names	SDF1; SDF1A; SDF1B; SDF-1; hSDF-1; IRH; hIRH; PBSF
UniProt Entry Name	SDF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sdf-1-alpha-antibody-western-blot-immunohistochemistry-functional-assay-elisa/49967>