

Polyclonal Antibody to CXCL12 / SDF1 (alpha) - Aff - Purified

Alternate names:	C-X-C motif chemokine 12, IRH, Intercrine reduced in hepatomas, PBSF, Pre-B cell growth-stimulating factor, SDF1A, SDF1B, Stromal cell-derived factor 1, hIRH
Catalog No.:	AP33448PU-N
Quantity:	0.1 mg
Background:	SDF1 alpha and 1 beta are small cytokines that belong to the intercrine family, members of which activate leukocytes and are often induced by proinflammatory stimuli such as lipopolysaccharide, TNF or IL1. SDF1 alpha has been shown to be chemotactic for lymphocytes and is recently reported to be a ligand for CXCR4 (LESTR/fusin), a co-receptor for HIV1 entry into T cells. SDF-1 binding to CXCR4 inhibits HIV1 entry.
Uniprot ID:	O9QZD1
NCBI:	NP_071513.1
GeneID:	24772
Host:	Rabbit
Immunogen:	Highly pure (>98%) E.coli derived recombinant Rat SDF1-alpha (CXCL12) <i>Cat. -No</i> AR08009PU
Format:	State: Lyophilized (sterile filtered) purified Ig fraction Purification: Affinity Chromatography employing immobilized Human SDF1a matrix. Buffer System: PBS, pH 7.2 without preservatives Reconstitution: Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Applications:	Sandwich ELISA: Using 100 µl/well antibody solution, a concentration of 0.5-2.0 µg/ml is required. In conjunction with Biotinylated Anti-Rat SDF1-alpha (<i>Cat. -No</i> AP33448BT) as a detection antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Rat SDF1-alpha. Western Blot: 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat SDF-1α is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Rat Stromal Cell Derived Factor-1 alpha. Other species not tested.
Add. Information:	Centrifuge vial prior to opening!

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.