

(Mouse) Cxcl12 Antibody

Catalog_no :	AB3329
Reactivity :	H, M
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This Mouse Cxcl12 antibody is generated from a rabbit immunized with a Mouse Cxcl12 recombinant protein.
Dilution :	WB,1:4000-1:8000;
Other_name :	Stromal cell-derived factor 1, SDF-1, 12-O-tetradecanoylphorbol 13-acetate repressed protein 1, TPAR1, C-X-C motif chemokine 12, Pre-B cell growth-stimulating factor, PBSF, Thymic lymphoma cell-stimulating factor, TLSF, Cxcl12, Sdf1
Isotype :	Rabbit Ig
Background :	Chemoattractant active on T-lymphocytes, monocytes, but not neutrophils. Activates the C-X-C chemokine receptor CXCR4 to induce a rapid and transient rise in the level of intracellular calcium ions and chemotaxis. Also binds to atypical chemokine receptor ACKR3, which activates the beta-arrestin pathway and acts as a scavenger receptor for SDF-1. Acts as a positive regulator of monocyte migration and a negative regulator of monocyte adhesion via the LYN kinase. Stimulates migration of monocytes and T-lymphocytes through its receptors, CXCR4 and ACKR3, and decreases monocyte adherence to surfaces coated with ICAM-1, a ligand for beta-2 integrins. SDF1A/CXCR4 signaling axis inhibits beta-2 integrin LFA-1 mediated adhesion of monocytes to ICAM-1 through LYN kinase. Plays a protective role after myocardial infarction. Induces down-regulation and internalization of ACKR3 expressed in various cells (By similarity). Has several critical functions during embryonic development; required for B-cell lymphopoiesis, myelopoiesis in bone marrow and heart ventricular septum formation.
reference :	Tashiro K.,et al.Science 261:600-603(1993). Jiang W.,et al.Exp. Cell Res. 215:284-293(1994). Nagasawa T.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:2305-2309(1994). Nomura M.,et al.Submitted (DEC-1994) to the EMBL/GenBank/DDBJ databases. Carninci P.,et a