

Product Datasheet

CXCR4 Antibody



Catalog No: CY5380

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF

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Information

UniProt ID: P61073

All Names: CD184 ; CXCR4; C-X-C chemokine receptor type 4; FB22; Fusin; HM89; LCR1; LESTR; Leukocyte-derived seven transmembrane domain receptor; NPYRL; SDF-1 receptor; Stromal cell- derived factor 1 receptor;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 39 kDa

Application

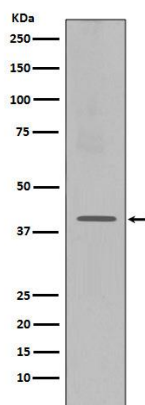
WB: 1:100~1:200

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

Background

Receptor for the C-X-C chemokine CXCL12/SDF-1 that transduces a signal by increasing intracellular calcium ions levels and enhancing MAPK1/MAPK3 activation. Acts as a receptor for extracellular ubiquitin; leading to enhance intracellular calcium ions and reduce cellular cAMP levels. Involved in haematopoiesis and in cardiac ventricular septum formation. Plays also an essential role in vascularization of the gastrointestinal tract, probably by regulating vascular branching and/or remodeling processes in endothelial cells. Could be involved in cerebellar development. In the CNS, could mediate hippocampal-neuron survival. Acts as a coreceptor (CD4 being the primary receptor) for HIV-1 X4 isolates and as a primary receptor for some HIV-2 isolates. Promotes Env-mediated fusion of the virus.



Western blot analysis of CXCR4 expression in Jurkat cell lysate.

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