

CXCR4 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19500A

Product Information

Application	WB, E
Primary Accession	P61073
Other Accession	O08565 , Q764M9 , P70658 , Q28474 , P25930 , NP_001008540.1
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat, Monkey, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41207
Antigen Region	50-79

Additional Information

Other Names	C-X-C chemokine receptor type 4, CXC-R4, CXCR-4, FB22, Fusin, HM89, LCR1, Leukocyte-derived seven transmembrane domain receptor, LESTR, Lipopolysaccharide-associated protein 3, LAP-3, LPS-associated protein 3, NPYRL, Stromal cell-derived factor 1 receptor, SDF-1 receptor, CD184, CXCR4
Target/Specificity	This CXCR4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-79 amino acids from the N-terminal region of human CXCR4.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CXCR4 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry

into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq].

References

Hammad, M.M., et al. J. Biol. Chem. 285(45):34653-34664(2010)

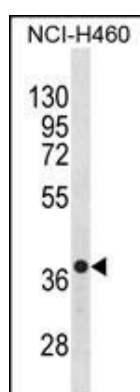
Wang, A., et al. Arthritis Rheum. 62(11):3436-3446(2010)

Cheng, M., et al. Circ. Res. 107(9):1083-1093(2010)

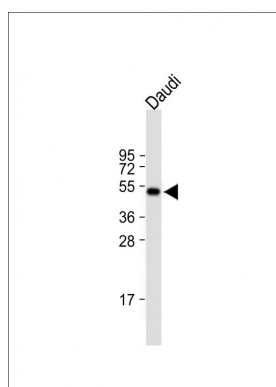
Sanematsu, F., et al. Circ. Res. 107(9):1102-1105(2010)

O'Hayre, M., et al. PLoS ONE 5 (7), E11716 (2010) :

Images



CXCR4 Antibody (N-term) (Cat. #AP19500a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the CXCR4 antibody detected the CXCR4 protein (arrow).



All lanes : Anti-CXCR4 Antibody(N-term) at 1:1000 dilution
Lane 1: Daudi whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size : 50 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

Citations

- [Regulation of CXCR4-mediated invasion by DARPP-32 in gastric cancer cells.](#)
- [Migration ability and Toll-like receptor expression of human mesenchymal stem cells improves significantly after three-dimensional culture.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.