

Datasheet for ABIN1881244
anti-CXCR4 antibody (N-Term)[Go to Product page](#)

1 Image

6 Publications

Overview

Quantity:	400 µL
Target:	CXCR4
Binding Specificity:	AA 50-79, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	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.
Clone:	RB41207
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, M, Pig, Rat, Sh
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CXCR4
Alternative Name:	CXCR4 (CXCR4 Products)
Background:	This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The

Target Details

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].

Molecular Weight: 39746

NCBI Accession: [NP_001008540](#), [NP_003458](#)

UniProt: [P61073](#)

Pathways: [Regulation of Cell Size](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months

Publications

Product cited in: Zhou, Liu, Li, Zhang, Wang, Lan, Shi, Li, Ju: "Migration ability and Toll-like receptor expression of human mesenchymal stem cells improves significantly after three-dimensional culture." in: **Biochemical and biophysical research communications**, Vol. 491, Issue 2, pp. 323-328, (2017) ([PubMed](#)).

Zhu, Hong, Tripathi, Sehdev, Belkhiri, El-Rifai: "Regulation of CXCR4-mediated invasion by DARPP-32 in gastric cancer cells." in: **Molecular cancer research : MCR**, Vol. 11, Issue 1, pp. 86-

94, (2013) ([PubMed](#)).

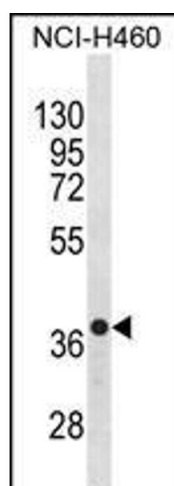
Hammad, Kuang, Yan, Allen, Dupré: "Na⁺/H⁺ exchanger regulatory factor-1 is involved in chemokine receptor homodimer CCR5 internalization and signal transduction but does not affect CXCR4 homodimer or CXCR4-CCR5 heterodimer." in: **The Journal of biological chemistry**, Vol. 285, Issue 45, pp. 34653-64, (2010) ([PubMed](#)).

Wang, Guilpain, Chong, Chouzenoux, Guillevin, Du, Zhou, Lin, Fairhurst, Boudreaux, Roux, Wakeland, Davis, Batteux, Mohan: "Dysregulated expression of CXCR4/CXCL12 in subsets of patients with systemic lupus erythematosus." in: **Arthritis and rheumatism**, Vol. 62, Issue 11, pp. 3436-46, (2010) ([PubMed](#)).

Cheng, Zhou, Wu, Boriboun, Thorne, Liu, Xiang, Zeng, Tanaka, Tang, Kishore, Tomasson, Miller, Losordo, Qin: "CXCR4-mediated bone marrow progenitor cell maintenance and mobilization are modulated by c-kit activity." in: **Circulation research**, Vol. 107, Issue 9, pp. 1083-93, (2010) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



Western Blotting

Image 1. CXCR4 Antibody (N-term) (ABIN1881244 and ABIN2838610) western blot analysis in NCI- cell line lysates (35 µg/lane). This demonstrates the CXCR4 antibody detected the CXCR4 protein (arrow).