

Datasheet

CXCR4 polyclonal antibody

Catalog Number: PAB9849

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of CXCR4.

Immunogen: A synthetic peptide corresponding to amino acids 182-196 of human CXCR4.

Host: Rabbit

Reactivity: Human, Mouse

Applications: WB-Ce

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Recommend Usage: Western Blot (0.5 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.02% sodium azide)

Storage Instruction: Store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7852

Gene Symbol: CXCR4

Gene Alias: CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPY3R, WHIM

Gene Summary: 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:

1. How do viruses enter cells? The HIV coreceptors teach us a lesson of complexity. Dimitrov DS. Cell. 1997 Dec 12;91(6):721-30.
2. Evolution of HIV-1 coreceptor usage through interactions with distinct CCR5 and CXCR4 domains. Lu Z, Berson JF, Chen Y, Turner JD, Zhang T, Sharron M, Jenks MH, Wang Z, Kim J, Rucker J, Hoxie JA, Peiper SC, Doms RW. Proc Natl Acad Sci U S A. 1997 Jun 10;94(12):6426-31.
3. Role of the first and third extracellular domains of CXCR-4 in human immunodeficiency virus coreceptor activity. Brelot A, Heveker N, Pleskoff O, Sol N, Alizon M. J Virol. 1997 Jun;71(6):4744-51.