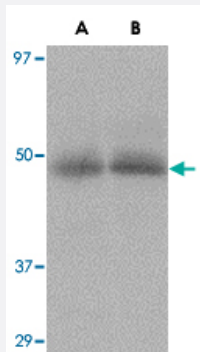


CXCR4 polyclonal antibody

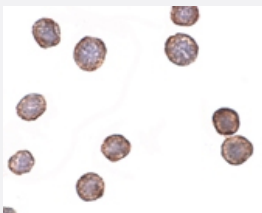
Catalog # PAB13024 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of CXCR4 in (A) human spleen and (B) human thymus tissue lysate with CXCR4 polyclonal antibody (Cat # PAB13024) at 10 ug/mL .



Immunocytochemistry

Immunocytochemistry of CXCR4 in HeLa cells with CXCR4 polyclonal antibody (Cat # PAB13024) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CXCR4.
Immunogen	A synthetic peptide corresponding to N-terminus 9 amino acids of human CXCR4.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of CXCR4 in (A) human spleen and (B) human thymus tissue lysate with CXCR4 polyclonal antibody (Cat # PAB13024) at 10 ug/mL .

- Immunocytochemistry

Immunocytochemistry of CXCR4 in HeLa cells with CXCR4 polyclonal antibody (Cat # PAB13024) at 2 ug/mL .

Gene Info — CXCR4

Entrez GeneID	7852
Protein Accession#	NP_001008540
Gene Name	CXCR4
Gene Alias	CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPY3R, WHIM
Gene Description	chemokine (C-X-C motif) receptor 4
Omim ID	162643 193670
Gene Ontology	Hyperlink
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 myelodysplastic syndrome) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	C-X-C chemokine receptor type 4 CD184 antigen chemokine (C-X-C motif), receptor 4 (fusin) chemokine receptor 4 fusin leukocyte-derived seven-transmembrane-domain receptor lipopolysaccharide-associated protein 3 neuropeptide Y receptor Y3 seven transmembrane

Publication Reference

- [How do viruses enter cells? The HIV coreceptors teach us a lesson of complexity.](#)

Dimitrov DS.

Cell 1997 Dec; 91(6):721.

Application: Flow Cyt, Human, Mouse, T cells

- [A seven-transmembrane domain receptor involved in fusion and entry of T-cell-tropic human immunodeficiency virus type 1 strains.](#)

Berson JF, Long D, Doranz BJ, Rucker J, Jirik FR, Doms RW.

Journal of Virology 1996 Sep; 70(9):6288.

- [A dual-tropic primary HIV-1 isolate that uses fusin and the beta-chemokine receptors CKR-5, CKR-3, and CKR-2b as fusion cofactors.](#)

Doranz BJ, Rucker J, Yi Y, Smyth RJ, Samson M, Peiper SC, Parmentier M, Collman RG, Doms RW.

Cell 1996 Jun; 85(7):1149.

Pathway

- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Leukocyte transendothelial migration](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Celiac Disease](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Growth Hormone-Secreting Pituitary Adenoma](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [Hyperglycemia](#)
- [Liver Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasm Invasiveness](#)
- [Pituitary Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tumor Virus Infections](#)