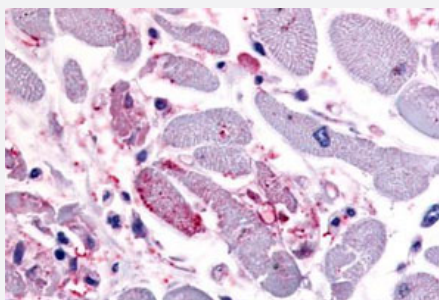


CXCR4 polyclonal antibody

Catalog # PAB26092

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human heart with CXCR4 polyclonal antibody (Cat # PAB26092).

Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CXCR4.
Immunogen	A synthetic peptide corresponding to 17 amino acids at C-terminus of human CXCR4.
Host	Rabbit
Reactivity	Bovine, Dog, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1.6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — CXCR4

Entrez GeneID [7852](#)

Protein Accession# [P61073](#)

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

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](#)