

Rabbit CXCR4 Polyclonal Antibody | anti-CXCR4 antibody

Rabbit Polyclonal to Human CXCR4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51690	Rabbit	Chimpanzee, Human Predicted Reactivity: Gorilla, Orangutan, Gibbon, Monkey (at least 90% immunogen sequence identity)	Immunohistochemistry

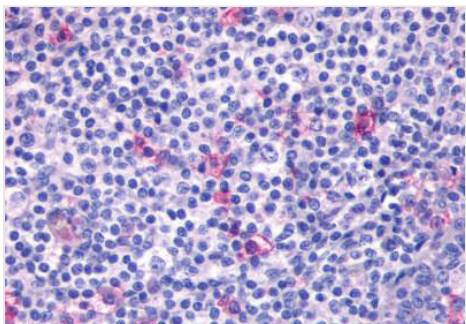
PRODUCT SYNONYMS

CXCR4; Polyclonal Antibody; Rabbit Polyclonal to Human CXCR4; Anti-CXCR4 Antibody (N-Terminus) IHC-plus; CD184; CD184 antigen; Cmkar4; Cxc chemokine receptor 4; CXCR-4; CXC-R4; D2S201E; FB22; Fusin; HM89; LCR1; NPY3R; NPYRL; NPY3R; Npyy3; HSY3RR; SDF-1 receptor; WHIM; C-x-c chemokine receptor 4; LESTR; Neuropeptide Y receptor Y3; NPYR; Human CXCR4; anti-CXCR4 antibody

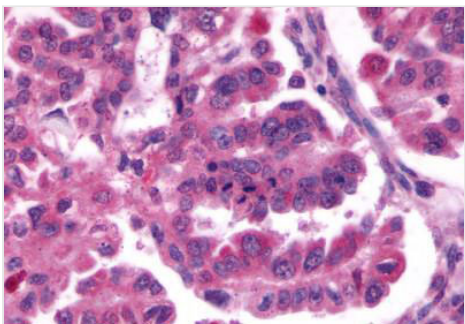
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Chimpanzee, Human Predicted Reactivity: Gorilla, Orangutan, Gibbon, Monkey (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human CXCR4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	352
Applicable Applications for anti-CXCR4 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 16 amino acid peptide from N-terminal extracellular domain of human CXCR4. Percent identity with other species by BLAST analysis: Human, Chimpanzee (100%); Gorilla, Orangutan, Gibbon, Baboon, Monkey, Tamarin (94%).
Immunogen Type	Synthetic peptide
Immunogen	CXCR4 antibody was raised against synthetic 16 amino acid peptide from N-terminal extracellular domain of human CXCR4. Percent identity with other species by BLAST analysis: Human, Chimpanzee (100%); Gorilla, Orangutan, Gibbon, Baboon, Monkey, Tamarin (94%); Marmoset, Elephant, Rabbit (88%); Mouse, Rat (81%).
Antigen Modification	N-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-CXCR4 antibody IHC of human tonsil. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-CXCR4 antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-CXCR4 antibody	CXCR4, a Chemokine Receptor involved in organ vascularization, neuronal cell migration, and patterning of the central nervous system during development. It binds stromal cell-derived factor 1 (SDF1, also called PBFS) and mediates migration of resting leukocytes and is unique in homing hematopoietic progenitors to bone marrow. These properties suggest that CXCR4 is involved in tumor cell migration and local tumor invasion.
Product Categories/Family for anti-CXCR4 antibody	Family: GPCR; Subfamily: Chemokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503175
NCBI GeneID	7852
NCBI Accession #	NP_003458.1
NCBI GenBank Nucleotide #	NM_003467.2
UniProt Accession #	P61073; O60835; P30991; P56438; Q53S69; Q9BXA0; Q9UKN2; B2R5N0
Molecular Weight	40,221 Da
NCBI Official Full Name	C-X-C chemokine receptor type 4 isoform b
NCBI Official Synonym Full Names	chemokine (C-X-C motif) receptor 4
NCBI Official Symbol	CXCR4
NCBI Official Synonym Symbols	FB22; HM89; LAP3; LCR1; NPYR; WHIM; CD184; LAP-3; LESTR; NPY3R; NPYRL; HSY3RR; NPY3R; D2S201E
NCBI Protein Information	C-X-C chemokine receptor type 4; fusin; CD184 antigen; SDF-1 receptor; LPS-associated protein 3; neuropeptide Y receptor Y3; seven transmembrane helix receptor; stromal cell-derived factor 1 receptor; lipopolysaccharide-associated protein 3; seven-transmembrane-segment receptor, spleen; leukocyte-derived seven transmembrane domain receptor
UniProt Protein Name	C-X-C chemokine receptor type 4
UniProt Gene Name	CXCR4
UniProt Synonym Gene Names	CXC-R4; CXCR-4; LESTR; LAP-3; LPS-associated protein 3; SDF-1 receptor
UniProt Entry Name	CXCR4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

