

Rabbit anti-Human, Mouse CXCR4 Polyclonal Antibody | anti-CXCR4 antibody

CXCR4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302623	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunofluorescence, Immunoprecipitation, Immunocytochemistry, Western Blot, ELISA

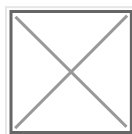
PRODUCT SYNONYMS

CXCR4; Polyclonal Antibody; CXCR4 Antibody; anti-CXCR4 antibody

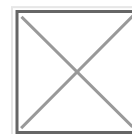
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	No reaction to the 84 kDa STAT1a.
Purity/Purification	DEAE purified
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	352
Applicable Applications for anti-CXCR4 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids near the amino terminus of human CXCR4.
Target Name	CXCR4
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of CXCR4 in HeLa cells with CXCR4 antibody at 2 ug/mL.


WB (Western Blot)

Western blot analysis of CXCR4 in HeLa whole cell lysate with CXCR4 antibody at 0.5 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CXCR4 antibody	Human immunodeficiency virus (HIV) and related viruses require coreceptors, in addition to CD4, to infect target cells. Some G protein-coupled receptors including CCR5, CXCR4, CCR3, CCR2b and CCR8 in the chemokine receptor family, and four new human molecules GPR15, STRL33, GPR1 and V28 were recently identified as HIV coreceptors. Among them, CXCR4 (fusin, LESTR or HUMSTR) is a principal coreceptor for T-cell tropic strains of HIV-1 fusion and entry of human white blood cells. CXCR4 is also required for the infection by dual-tropic strains of HIV-1 and mediates CD-4 independent infection by HIV-2. The a-chemokine SDF-1 is the ligand for CXCR4 and prevents infection by T-tropic HIV-1. CXCR4 associates with the surface CD4-gp120 complex before HIV enters target cells. CXCR4 messenger RNA levels correlated with HIV-1 permissiveness in diverse human cell types. Antibodies to CXCR4 block HIV-1 and HIV-2 fusion and infection of human target cells. The amino-terminal domain and the second extracellular loop of CXCR4 serve as HIV binding sites.
Product Categories/Family for anti-CXCR4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503175
NCBI GeneID	7852
NCBI Accession #	NP_003458
NCBI GenBank Nucleotide #	NM_003467.2
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; WHIMS; HSY3RR; NPY3R; D2S201E
NCBI Protein Information	C-X-C chemokine receptor type 4
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cxcr4-antibody-flow-cytometry-immunofluorescence-immunoprecipitation-immunocytochemistry-western-blot-elisa/302623>