

Rabbit CXCR4 Polyclonal Antibody | anti-CXCR4 antibody

CXCR4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10951	Rabbit	Human, Mouse, Rat	ELISA, Western Blot, Immunocytochemistry, Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay

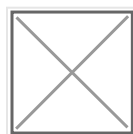
PRODUCT SYNONYMS

CXCR4; Polyclonal Antibody; CXCR4 Antibody; FB22; HM89; LAP3; LCR1; NPYR; WHIM; CD184; LESTR; NPY3R; NPYRL; HSY3RR; NPY3R; D2S201E; chemokine (C-X-C motif) receptor 4; anti-CXCR4 antibody

PRODUCT SPECIFICATIONS

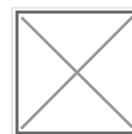
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CXCR4 Antibody is predicted to not cross-react with other CXCR family members.
Purity/Purification	CXCR4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid ; CXCR4 Antibody is supplied in PBS containing 0.02% sodium azide
Concentration	1 mg/mL (varies by lot)
Sequence Length	352
Applicable Applications for anti-CXCR4 antibody	ELISA, WB (Western Blot), ICC (Immunocytochemistry), IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	Optimal dilutions/concentrations should be determined by the end user. The information provided is a guideline for product use. This product is for research use only.
Homology	Predicted species reactivity based on immunogen sequence: Bovine: (86%), Pig: (71%)
Immunogen	Anti-CXCR4 antibody was raised against a peptide corresponding to 14 amino acids near the amino terminus of human CXCR4 isoform b. The immunogen is located within the first 50 amino acids of CXCR4.
Preparation and Storage	CXCR4 antibody can be stored at 4°C for three months and -20°C, stable for up to 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



WB (Western Blot)

Figure 4 Animal Species Reactivity Loading: Lysates/proteins at 20 μg per lane. Antibodies: 1009 (2 μg/mL) or 1012 (2 μg/mL). 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



WB (Western Blot)

Figure 3 Validation with CXCR4 siRNA Knockdown HeLa cells were transfected with control siRNAs (lane 1) or CXCR4 siRNAs (lane 2) Loading: 10 μg of HeLa whole cell lysates per lane. Antibodies: 1009 (2 μg/mL), 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



WB (Western Blot)

Figure 2 Independent Antibody Validation (IAV) via Protein Expression Profile Cell Lines Loading: 15 µg of lysates per lane. Antibodies: 1009 (1 µg/mL), 1012 (1 µg/mL), and beta-actin (1 µg/mL), 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP



WB (Western Blot)

Figure 1 Western Blot Validation of CXCR4 in HeLa Cells Loading: 15 µg of lysates per lane. Antibodies: 1009 (1 µg/mL), 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503175
NCBI GeneID	7852
NCBI Accession #	NP_003458
NCBI GenBank Nucleotide #	NM_003467.2
Molecular Weight	Predicted: 40 kDa Observed: 44 kDa (Post-modification: 2 N-linked glycosylation)
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; NPYY3R; 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cxcr4-antibody-western-blot-immunocytochemistry-immunoprecipitation-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/10951>