

Rabbit anti-Human CXCR2 Polyclonal Antibody | anti-CXCR2 antibody

Anti-CXCR2 Antibody Picoband

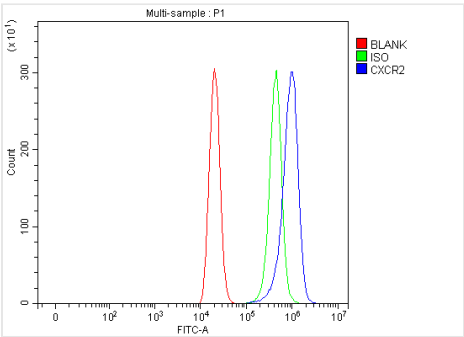
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126029	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

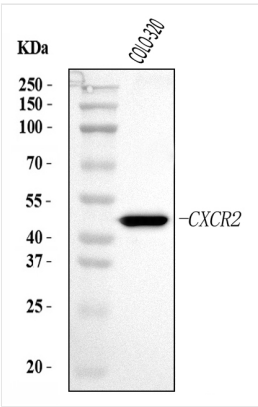
CXCR2; Polyclonal Antibody; Anti-CXCR2 Antibody Picoband; anti-CXCR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CXCR2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human CXCR2 recombinant protein (Position: M1-Q216).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of THP-1 cells using anti-CXCR2 antibody (AAA126029). Overlay histogram showing THP-1 cells stained with AAA126029 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CXCR2 Antibody (AAA126029, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of CXCR2 using anti-CXCR2 antibody (AAA126029). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human COLO-320 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CXCR2 antigen affinity purified polyclonal antibody (#AAA126029) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CXCR2 at approximately 41-50 kDa. The expected band size for CXCR2 is at 41 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CXCR2 antibody	CXCR2 is a receptor for Interleukin 8, which is a powerful neutrophil chemotactic factor. It is a member of the GPCR family (subfamily, chemokine). Binding of IL8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activate a phosphatidylinositol-calcium second messenger system. This receptor binds to IL8 with a high affinity and to GRO/MGSA and NAP2 also with a high affinity. It has been reported to be expressed in a wide variety of tissues. ESTs have been isolated from human placenta and thymus libraries.
Product Categories/Family for anti-CXCR2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	269973859
NCBI GeneID	3579
NCBI Accession #	NP_001161770.1
NCBI GenBank Nucleotide #	NM_001168298.1
UniProt Accession #	P25025; Q8IUZ1; Q9P2T6; Q9P2T7; AAA15417; AAB24742
Molecular Weight	40,759 Da
NCBI Official Full Name	C-X-C chemokine receptor type 2
NCBI Official Synonym Full Names	chemokine (C-X-C motif) receptor 2
NCBI Official Symbol	CXCR2
NCBI Official Synonym Symbols	CD182; IL8R2; IL8RA; IL8RB; CMKAR2; CDw128b
NCBI Protein Information	C-X-C chemokine receptor type 2; CXC-R2; CXCR-2; IL-8R B; GRO/MGSA receptor; IL-8 receptor type 2; interleukin 8 receptor B; chemokine (CXC) receptor 2; interleukin 8 receptor, beta; interleukin 8 receptor type 2; interleukin-8 receptor type B; CXCR2 gene

UniProt Protein Name	C-X-C chemokine receptor type 2
UniProt Gene Name	CXCR2
UniProt Synonym Gene Names	IL8RB; CXC-R2; CXCR-2; IL-8R B
UniProt Entry Name	CXCR2_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/cxcr2-antibody-flow-cytometry-western-blot-elisa/126029>