Anti-CXCR2 Antibody

Catalog Number: *A00455-3*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-CXCR2 Antibody
Gene Name	CXCR2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human CXCR2 recombinant protein (Position: M1-Q216).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	41-50 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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.

Reference

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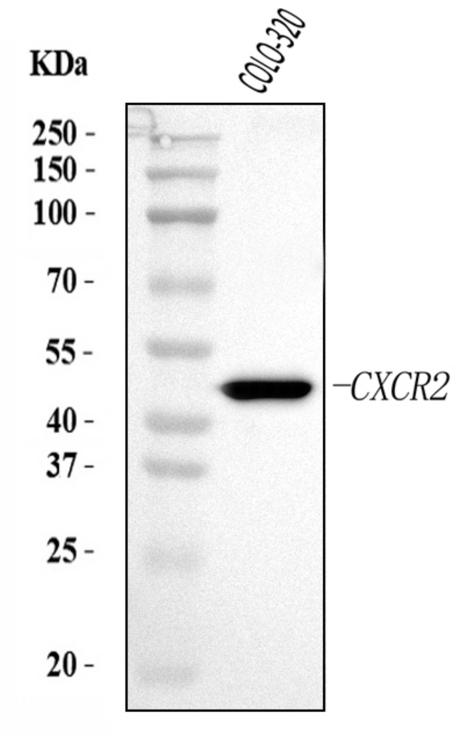
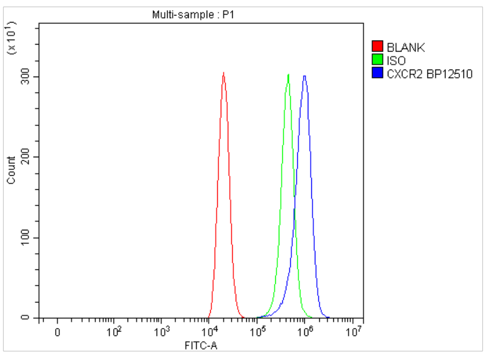
Anti-CXCR2 Antibody 被引用在7文献中。

Selected Validation Data



Western blot analysis of CXCR2 using anti-CXCR2 antibody (A00455-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: COLO-320 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CXCR2 antigen affinity purified polyclonal antibody (A00455-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CXCR2 at approximately 41-50 kDa. The expected band size for CXCR2 is at 41 kDa.



Flow Cytometry analysis of THP-1 cells using anti-CXCR2 antibody (A00455-3).
Overlay histogram showing THP-1 cells stained with A00455-3 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CXCR2 Antibody (A00455-3) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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