BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CXCR3 Antibody

Catalog Number: A00295

About CXCR3

The CXCR3 protein is a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-gamma), CXCL10/IP10 (interferon-gamma-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell alpha-chemoattractant) (reviewed in 1). Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration (2). Similar to other chemokine receptors such as CXCR4, CXCR3 has been implicated in several malignancies as a biomarker of tumor behavior as well as a potential therapeutic target (3).

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Overview

Product Name	Anti-CXCR3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CXCR3 Antibody (Catalog # A00295). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	CXCR3 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	CXCR3 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P49682

Technical Details

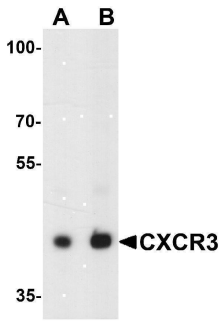
Immunogen	CXCR3 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human CXCR3 . The immunogen is located within the last 50 amino acids of CXCR3.
Predicted Reactive Species	Bovine, Goat
Cross Reactivity	CXCR3 antibody is human, mouse and rat reactive. At least two isoforms of CXCR3 are known to exist; this antibody will detect both isoforms.

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Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	CXCR3 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	CXCR3 antibody can be used for detection of CXCR3 by Western blot at 1 - 2 ug/ml. Antibody can also be used for Immunocytochemistry at 5 ug/mL. For Immunoflorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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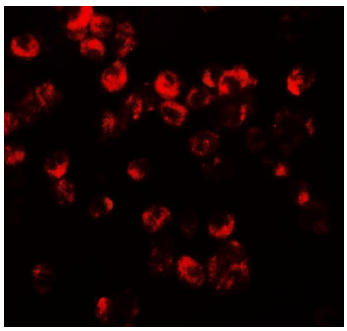
Anti-CXCR3 Antibody (A00295) Images



Western blot analysis of CXCR3 in HepG2 lysate with CXCR3 antibody at (A) 1 and (B) 2 ug/ml.



Immunocytochemistry of CXCR3 in HepG2 cells with CXCR3 antibody at 5 ug/mL.



Immunofluorescence of CXCR3 in HepG2 cells with CXCR3 antibody at 20 ug/mL.

2 Publications Citing This Product

1. PubMed ID: 33469355, Ju YY,Jiang M,Xu F,Wang D,Ding B,Ma LJ,Wu H.CXCL10 and CXCR3 in the Trigeminal Ganglion Contribute to Trigeminal Neuropathic Pain in Mice.J Pain Res.2021 Jan 12;14:41-51.doi:10.2147/JPR.S288292.PMID:33469355;PMCID:PMC7811485.

2. PubMed ID: 31864210, Li Q,Sun J,Cao Y,Liu B,Li L,Mohammadtursun N,Zhang H,Dong J,Wu J.Bu-Shen-Fang-Chuan formula attenuates T-lymphocytes recruitment in the lung of rats with COPD through suppressing CXCL9/CXCL10/CXCL11-CXCR3 axis.Biomed Pharmacother.2020 Mar;123:109735.doi:1

Visit bosterbio.com/anti-cxcr3-antibody-a00295-boster.html to see all 2 publications.

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