
Anti-Human/Rat CX3CR1 Purified


Catalog Number: 14-7988

Also Known As: Fractalkine neurotactin receptor

RUO: For Research Use Only

Product Information

Contents: Anti-Human/Rat CX3CR1 Purified


 Catalog Number: 14-7988

Clone: Polyclonal


Concentration: 1 mg/mL


Host/Isotype: Rabbit IgG

Formulation: aqueous buffer, 0.09% sodium azide, contains stabilizer if necessary

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The rabbit polyclonal antibody reacts with recombinant and natural human and rat CX3CR1; the antibody was generated using *E. coli*-expressed human CX3CR1 amino terminal domain as an immunogen. CX3CR1, also termed neurotactin or fractalkine, is a membrane-bound CX3C chemokine. Human CX3CR1, also named V28, was first cloned from human genomic DNA libraries. A G-protein-coupled seven-transmembrane domain receptor, it was recently identified to serve as fractalkine receptor. Human CX3CR1 has been shown to mediate both the adhesive and migratory functions of fractalkine. Fractalkine and CX3CR1 represent new types of leukocyte trafficking regulators. Cross reactivity to CX3CR1 of other species has not been determined.

Applications Reported

For research use only, not for diagnostic or therapeutic use. This polyclonal antibody has been reported for use in immunoprecipitation, immunoblotting (WB), and immunohistochemical staining of frozen tissue sections.

Applications Tested

To achieve best results, titrate antibody by dilution for each application:

Western Blot 1:2000-1:5000

Immunoprecipitation 1:300-1:800

Immunohistochemistry 1:100-1:500

References

Bazan J.F. et al. 1997. A new class of membrane-bound chemokine with a CX3C motif. *Nature* 385:640-644

Harrison, J.K. et al. 1994. cDNA cloning of a G-protein-coupled receptor expressed in rat spinal cord and brain related to chemokine receptors. *Neurosci Lett* 169:85-89

Imai, T. et al. 1997. Identification and molecular characterization of fractalkine receptor CX3CR1, which mediates both leukocyte migration and adhesion. *Cell* 91:521-530

Combadiere C. et al. 1998. Identification of CX3CR1. A chemotactic receptor for the human CX3C chemokine fractalkine and a fusion coreceptor for HIV. *J Biol Chem* 273(37):23799-23804

Hung S, Pochampally RR, et al. 2007. Short-term exposure of multipotent stromal cells to low oxygen increases their expression of CX3CR1 and CXCR4 and their engraftment in vivo. *PLoS ONE*. 2(5):e416. (WB, PubMed)

Related Products

18-8816 Rabbit TrueBlot[®]: Anti-Rabbit IgG HRP

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com