BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Fractalkine CX3CL1 Antibody Picoband®

Catalog Number: PA1401

About Cx3cl1

Chemokine (C-X3-C motif) ligand 1, also known as CX3CL1, is a large cytokine protein. It is said to be the only known member of the CX3C chemokine family. It is also commonly known under the names fractalkine (in humans) and neurotactin (in mice). Its gene is mapped to the long arm of chromosome 8. Being the large protein, it has got 373 amino acids. Imai et al. (1997) identified a 7-transmembrane high-affinity receptor (CX3CR1; 601470) for fractalkine and showed that it mediates both the adhesive and migratory functions of fractalkine.

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Overview

Product Name	Anti-Fractalkine CX3CL1 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Fractalkine CX3CL1 Antibody catalog # PA1401. Tested in IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O35188

Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse CX3CL1, identical to the related rat sequence.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and IHC(F).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Mouse, Rat Immunohistochemistry (Frozen Section), 0.5-1ug/ml, Mouse, Rat, - Western blot, 0.1-0.5ug/ml, Mouse, Rat

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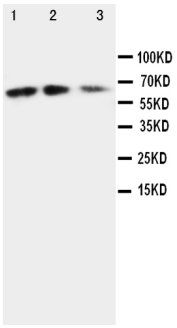
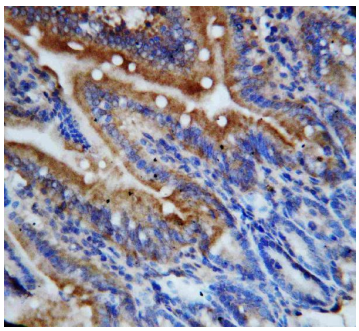
Anti-Fractalkine CX3CL1 Antibody Picoband® (PA1401) Images



Anti-CX3CL1 antibody, PA1401, Western blottingLane 1: Recombinant Mouse Fractalkin Protein 10ngLane 2: Recombinant Mouse Fractalkin Protein 5ngLane 3: Recombinant Mouse Fractalkin Protein 2.5ng



Anti-CX3CL1 antibody, PA1401, IHC(P)IHC(P): Rat Intestine Tissue

1 Publications Citing This Product

1. PubMed ID: -, Yamada,S.,Miyoshi,S.,Nishio,J.,Mizutani,S.,Yamada,Z.,Kusunoki,N.,Sato,H.,Kuboi,Y.,Hoshino-Negishi,K.,Ishii,N.,Imai,T.,Mikami,T.,Nakano,H.,Kawai,S.,& Nanki,T.(2020).Effects of CX3CL1 inhibition on murine bleomycin-induced interstitial pneumonia.European Jo

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