

Datasheet for ABIN3042714
anti-CX3CL1 antibody (N-Term)

3 Images

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Overview

Quantity:	100 µg
Target:	CX3CL1
Binding Specificity:	AA 74-92, N-Term
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CX3CL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Fractalkine(CX3CL1) detection. Tested with WB, IHC-P, IHC-F in Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of mouse CX3CL1(74-92aa CADPKEKWVQDAMKHLHDHQ), identical to the related rat sequence.
Sequence:	CADPKEKWVQ DAMKHLHDHQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Fractalkine(CX3CL1) detection. Tested with WB, IHC-P, IHC-F in Mouse,Rat. Gene Name: chemokine(C-X3-C motif) ligand 1

Product Details

Protein Name: Fractalkine

Purification: Immunogen affinity purified.

Target Details

Target: CX3CL1

Alternative Name: CX3CL1 ([CX3CL1 Products](#))

Background: 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.

Synonyms: A 152E5.2 antibody|AB030188 antibody|ABCD 3 antibody|ABCD3 antibody|AI848747 antibody|C-X3-C motif chemokine 1 antibody|C3Xkine antibody|Chemokine(C-X3-C motif) ligand 1 antibody|Chemokine C X3 C motif ligand 1 antibody|Chemokine CX3C Motif Ligand 1 antibody|CX3C membrane anchored chemokine antibody|CX3C membrane-anchored chemokine antibody|CX3CL1 antibody|CXC 3 antibody|CXC3 antibody|CXC3C antibody|D8Bwg0439e antibody|FKN antibody|Fractalkine antibody|Neurotactin antibody|NTN antibody|NTT antibody|Processed fractalkine antibody|SCYD 1 antibody|SCYD1 antibody|Small inducible cytokine D1 antibody|Small inducible cytokine subfamily D(Cys X3 Cys) member 1 antibody|small inducible cytokine subfamily D(Cys-X3-Cys), member 1(fractalkine, neurotactin) antibody|Small inducible cytokine subfamily D member 1 antibody|Small-inducible cytokine D1 antibody|X3CL1_HUMAN antibody

UniProt: [O35188](#)

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Predicted Species: Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat

Application Details

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and IHC(F).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

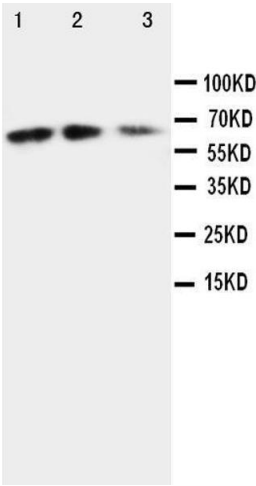
Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

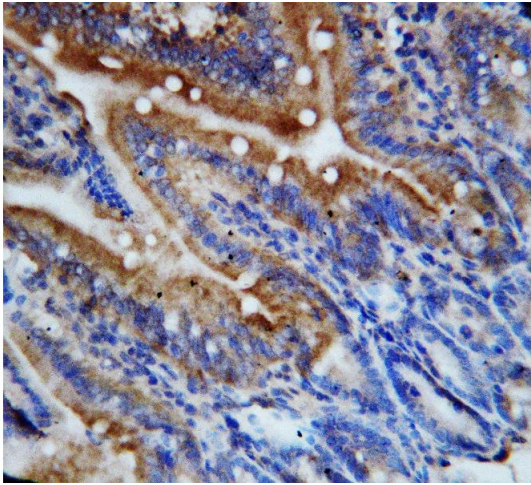
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months



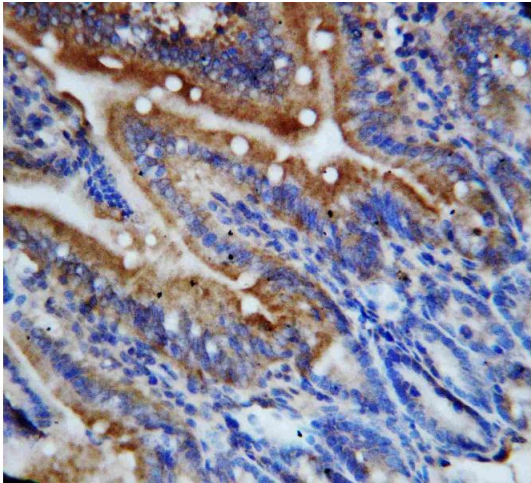
Western Blotting

Image 1. Anti-CX3CL1 antibody, Western blotting Lane 1: Recombinant Mouse Fractalkin Protein 10ng Lane 2: Recombinant Mouse Fractalkin Protein 5ng Lane 3: Recombinant Mouse Fractalkin Protein 2.5ng



Immunohistochemistry

Image 2. Anti-CX3CL1 antibody, IHC(P) IHC(P): Rat Intestine Tissue



Immunohistochemistry

Image 3. Anti-CX3CL1 antibody, IHC(P): Rat Intestine Tissue