

Basic Information

Product Name	Anti-Fractalkine/CX3CL1 Antibody	
Gene Name	CX3CL1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	Polypeptide	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	90-100 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

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

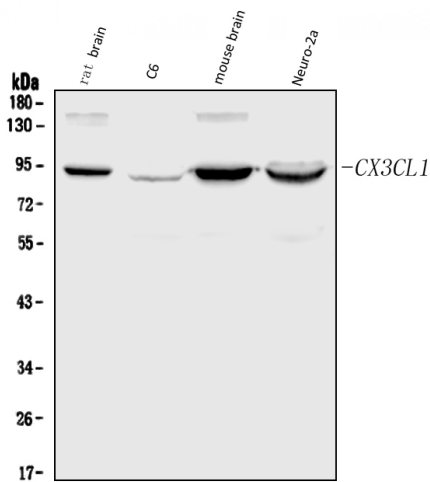
Background Information

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.

Reference

Anti-Fractalkine/CX3CL1 Antibody 被引用在1文献中。

Selected Validation Data



Western blot analysis of Fractalkine/CX3CL1 using anti-Fractalkine/CX3CL1 antibody (BA4112). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

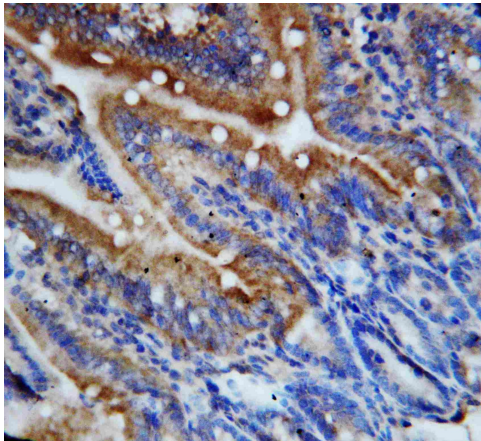
Lane 1: rat brain tissue lysates,

Lane 2: C6 whole cell lysates,

Lane 3: mouse brain tissue lysates,

Lane 4: Neuro-2a whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Fractalkine/CX3CL1 antigen affinity purified polyclonal antibody (BA4112) 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 Fractalkine/CX3CL1 at approximately 90-100 kDa. The expected band size for Fractalkine/CX3CL1 is at 42 kDa.



IHC analysis of Fractalkine/CX3CL1 using anti-Fractalkine/CX3CL1 antibody (BA4112).

Fractalkine/CX3CL1 was detected in a paraffin-embedded section of rat intestine tissue. The tissue section was incubated with rabbit anti-Fractalkine/CX3CL1 Antibody (BA4112) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.