

CX3CR1 Polyclonal Antibody

Catalog NumberPA1-28839

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Frozen) (IHC (F))	1:100-1:500
Type	Antibody	Immunoprecipitation (IP)	1:300-1:800
Immunogen	Recombinant amino terminal fragment (Human).	Western Blot (WB)	1:1,000-1:2,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Protein A		
Storage buffer	PBS		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

PA1-28839 detects CX3CR1 from rat, human samples.

Background/Target Information

CX3CR1 is one of the chemokine receptors that are required as coreceptors for HIV infection. The genes encoding human, mouse, and rat CX3CR1 were cloned and designated V28 and CMKBRL1, CX3CR1, and RBS11, respectively. The encoded seven transmembrane protein was recently identified as the receptor for a novel transmembrane molecule, fractalkine, and renamed CX3CR1. Recently, CX3CR1 was found to serve as a coreceptor for HIV-1 and HIV-2 envelope fusion and virus infection, which can be inhibited by fractokine. CX3CR1 mediates leukocyte migration and adhesion. CX3CR1 is expressed in a variety of human tissues and cell lines.

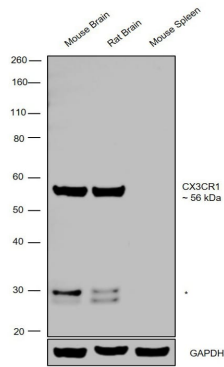
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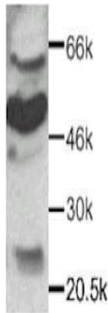
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Product Images For CX3CR1 Polyclonal Antibody



CX3CR1 Antibody (PA1-28839) in WB

Western blot was performed using Anti-CX3CR1 Polyclonal Antibody (Product # PA1-28839) and a 56 kDa band corresponding to CX3CR1 was observed in Mouse Brain and Rat Brain but not in Mouse Spleen which is reported to be negative. Tissue extracts (30 µg lysate) of Mouse Brain (Lane 1), Rat Brain (Lane 2) and Mouse Spleen (Lane 3) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). (Note: Uncharacterized bands (*) were observed in Mouse Brain and Rat Brain tissue lysates).



CX3CR1 Antibody (PA1-28839) in WB

Western Blot using CX3CR1 Polyclonal Antibody (Product # PA1-28839).

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