

CXCR3 Recombinant antibody

Catalog Number: 84655-5-RR

Basic Information

Catalog Number: 84655-5-RR	GenBank Accession Number: BC034403	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2833	CloneNo.: 241790E9
Source: Rabbit	UNIPROT ID: P49682	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800
Isotype: IgG	Full Name: chemokine (C-X-C motif) receptor 3	
	Calculated MW: 368 aa, 41 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HepG2 cells, K-562 cells, rat liver tissue

IHC : mouse liver tissue,

Background Information

CXCR3 (C-X-C chemokine receptor type 3) is a G protein-coupled, seven-transmembrane domain chemokine receptor that is expressed on the surface of several cell types, including activated CD4+ and CD8+ T cells, NK and NK-T cells, plasmacytoid dendritic cells, and some B cells (PMID: 16847335). CXCR3 binds and is activated by the three IFN-gamma-inducible chemokines: CXCL9, CXCL10, and CXCL11. The binding of these ligands to CXCR3 has been implicated in regulating T-cell infiltration during inflammation and tissue injury (PMID: 17250586). Alternatively, spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms, CXCR3B, mediates the angiostatic activity of CXCR3 ligands and also acts as a functional receptor for CXCL4 (PMID: 12782716).

Storage

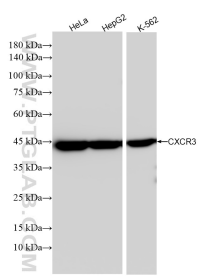
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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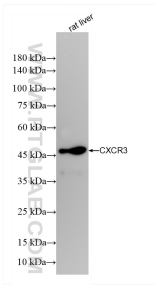
Selected Validation Data



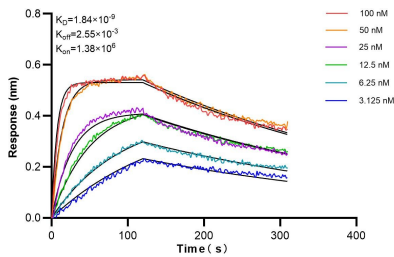
Various lysates were subjected to SDS PAGE followed by western blot with 84655-5-RR (CXCR3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84655-5-RR (CXCR3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



rat liver tissue were subjected to SDS PAGE followed by western blot with 84655-5-RR (CXCR3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 84655-5-RR against Human CXCR3 were performed. The affinity constant is 1.84 nM.