

For Research Use Only

CXCR3 Recombinant antibody, PBS Only

Catalog Number: 84655-5-PBS



Basic Information

Catalog Number:

84655-5-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC034403

GeneID (NCBI):

2833

UNIPROT ID:

P49682

Full Name:

chemokine (C-X-C motif) receptor 3

Calculated MW:

368 aa, 41 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

241790E9

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS Only

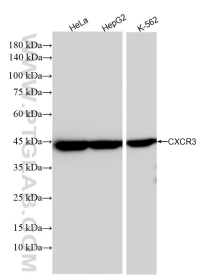
For technical support and original validation data for this product please contact:

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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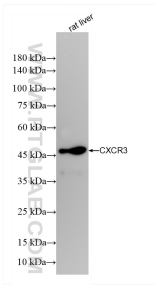
Selected Validation Data



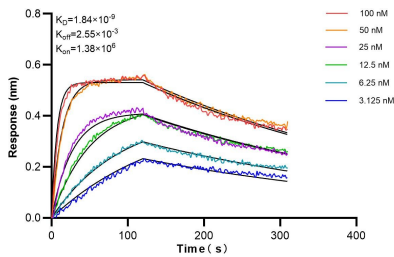
Various lysates were subjected to SDS PAGE followed by western blot with 84655-5-RR (CXCR3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84655-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84655-5-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 84655-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84655-5-RR against Human CXCR3 were performed. The affinity constant is 1.84 nM.