

CXCR3 Recombinant antibody

Catalog Number: 84655-5-RR

Basic Information

Catalog Number:

84655-5-RR

Size:

1000 µg/ml

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

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:200-1:800

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

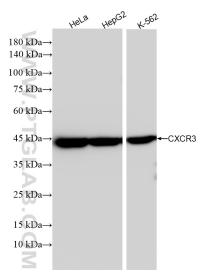
For technical support and original validation data for this product please contact:

T: 4006900926

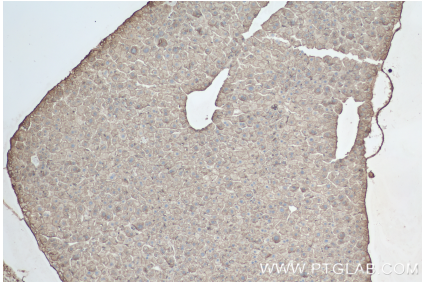
E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

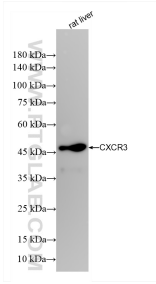
Selected Validation Data



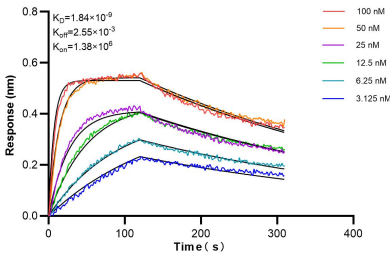
Various lysates were subjected to SDS PAGE followed by western blot with 84655-5-RR (CXCR3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.



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