

For Research Use Only

CXCR3 Polyclonal antibody

Catalog Number: 26756-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

26756-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25056

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:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

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 : HepG2 cells, Jurkat cells, mouse liver tissue

IHC : mouse kidney 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 a number of cell types, including activated CD4+ and CD8+ T cells, NK and NK-T cells, plasmacytoid dendritic cells, and some B cells. CXCR3 is activated by three related chemokines (CXCL9, CXCL10, and CXCL11) and plays an important role in effector T-cell and NK cell trafficking. CXCR3 has three isoforms termed CXCR3-A, CXCR3-B, and CXCR3-alt with the calculated molecular mass of 41kDa, 46kDa, and 29kDa respectively. The apparent molecular mass of CXCR3 detected by some scientists is 70kDa, but 45kDa by others. (PMID: 16847335, 15150261, 22885102, 19151743)

Notable Publications

Author	Pubmed ID	Journal	Application
Yuejiao Xin	36078141	Cells	WB, IHC
Heng Li	30883697	Br J Pharmacol	IF
Wei-Chih Lien	36684074	Bioeng Transl Med	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

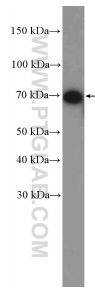
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

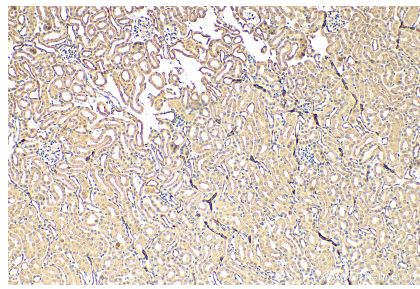
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 26756-1-AP (CXCR3 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 26756-1-AP (CXCR3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).