

For Research Use Only

CXCR7 Polyclonal antibody

Catalog Number: 20423-1-AP

Featured Product

22 Publications



Basic Information

Catalog Number:

20423-1-AP

Size:

150ul, Concentration: 153 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14247

GenBank Accession Number:

BC036661

GeneID (NCBI):

57007

UNIPROT ID:

P25106

Full Name:

chemokine (C-X-C motif) receptor 7

Calculated MW:

362 aa, 41 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

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: Raji cells, Jurkat cells, K-562 cells, mouse thymus tissue

IP: HUVEC cells,

IHC: mouse brain tissue,

Background Information

CXCR7 (C-X-C chemokine receptor type 7), also known as RDC1, is a member of the G-protein coupled receptor family. CXCR7 can bind the chemokines CXCL11 and CXCL12 with high affinity, and it also acts as coreceptor with CXCR4 for a restricted number of HIV isolates. Expression of CXCR7 has been associated with cardiac development as well as with tumor growth and progression. This antibody recognizes endogenous CXCR7, which has an experimentally determined molecular weight of 50 kDa (PMID: 20197403; 20388803).

Notable Publications

Author	Pubmed ID	Journal	Application
Lulu Chen	32876991	Cell Biol Int	WB,IF,IHC
Liang Kuang	31662319	Ann Rheum Dis	WB
Xiang Li	36405246	J Oncol	WB

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

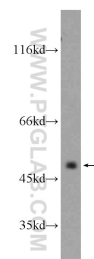
For technical support and original validation data for this product please contact:

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

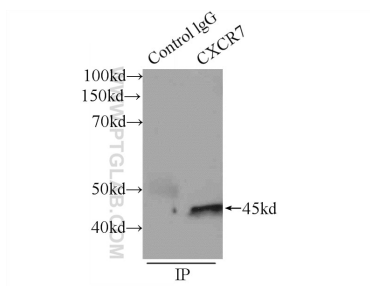
E: proteintech@ptglab.com
W: ptglab.com

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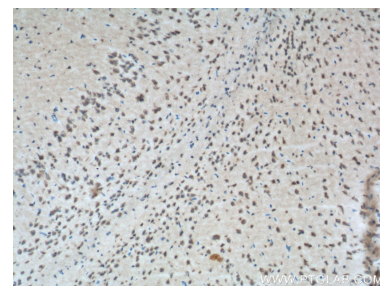
Selected Validation Data



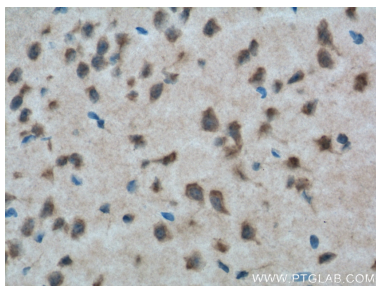
Raji cells were subjected to SDS PAGE followed by western blot with 20423-1-AP (CXCR7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-CXCR7 (IP:20423-1-AP, 3ug; Detection:20423-1-AP 1:500) with HUVEC cells lysate 1400ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20423-1-AP (CXCR7 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20423-1-AP (CXCR7 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).