

For Research Use Only

CXCR7-Specific Polyclonal antibody

Catalog Number: 14840-1-AP



Basic Information

Catalog Number: 14840-1-AP	GenBank Accession Number: NM_020311	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 170 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57007	Recommended Dilutions: WB 1:200-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: chemokine (C-X-C motif) receptor 7	Calculated MW: 41 kDa
Isotype: IgG	Observed MW: 50 kDa	IHC 1:50-1:500

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : K-562 cells, C6 cells, mouse brain tissue
Species Specificity: human, mouse, rat	IP : K-562 cells, IHC : mouse brain tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 progression. This antibody is specific to CXCR7.

Storage

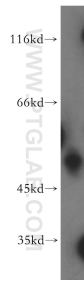
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

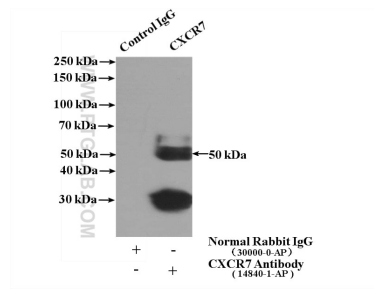
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

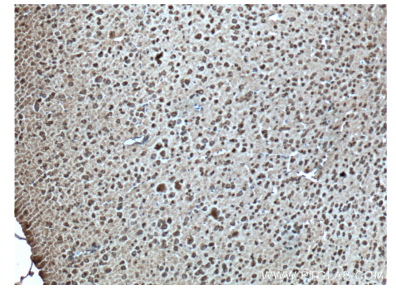
Selected Validation Data



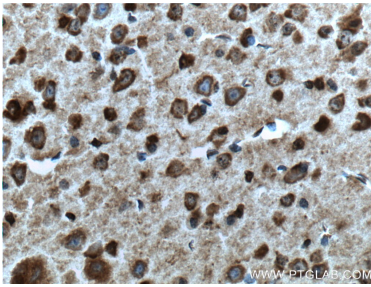
K-562 cells were subjected to SDS PAGE followed by western blot with 14840-1-AP (CXCR7-Specific antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



IP Result of anti-CXCR7-Specific (IP:14840-1-AP, 4ug; Detection:14840-1-AP 1:500) with K-562 cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14840-1-AP (CXCR7-Specific Antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14840-1-AP (CXCR7-Specific Antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).