

For Research Use Only

CXCR2 Polyclonal antibody

Catalog Number: 20634-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

20634-1-AP

Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14670

GenBank Accession Number:

BC037961

GeneID (NCBI):

3579

Full Name:

interleukin 8 receptor, beta

Calculated MW:

360 aa, 41 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total

protein lysate

IHC 1:50-1:500

IF 1:10-1:100

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

CoIP, IF, IHC, WB

Species Specificity:

human

Cited Species:

human

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 : L02 cells, COLO 320 cells

IP : HepG2 cells,

IHC : human tonsillitis tissue,

IF : HepG2 cells,

Background Information

IL8RB, also named as CXCR2, GRO/MGSA receptor, IL-8 receptor type 2, CDw128b, and CD182, belongs to the G-protein coupled receptor 1 family. It is a receptor for interleukin-8 which is a powerful neutrophil chemotactic factor. The binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. It binds to IL-8 with high affinity. IL8RB also binds with high affinity to CXCL3, GRO/MGSA, and NAP-2.

Notable Publications

Author	Pubmed ID	Journal	Application
Ling Tang	36175598	Med Oncol	WB
Sainan Zhang	34603292	Front Immunol	IF
Shuang Ge	34830293	Int J Mol Sci	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

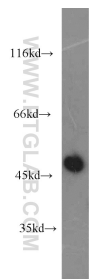
For technical support and original validation data for this product please contact:

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

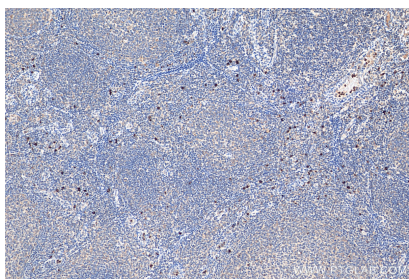
E: proteintech@ptglab.com
W: ptglab.com

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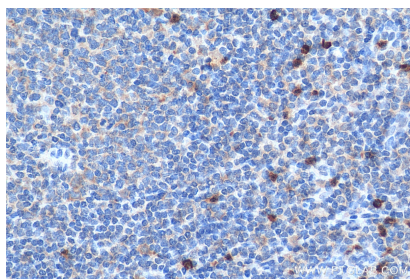
Selected Validation Data



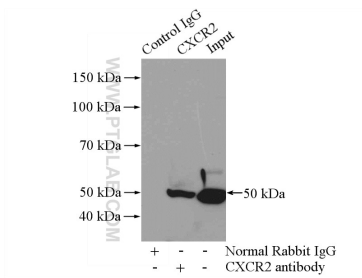
L02 cells were subjected to SDS PAGE followed by western blot with 20634-1-AP (CXCR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



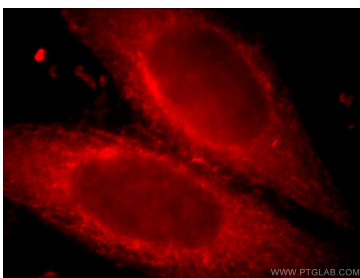
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 20634-1-AP (CXCR2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 20634-1-AP (CXCR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-CXCR2 (IP:20634-1-AP, 4ug; Detection:20634-1-AP 1:1000) with HepG2 cells lysate 3200ug.



Immunofluorescent analysis of HepG2 cells, using IL8RB antibody 20634-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).