

CXCR2 Polyclonal antibody

Catalog Number: 20634-1-AP

Featured Product

10 Publications

Basic Information

Catalog Number:

20634-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14670

GenBank Accession Number:

BC037961

GeneID (NCBI):

3579

UNIPROT ID:

P25025

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:

WB, IP, IF/ICC, IHC, ELISA

Cited Applications:

WB, IF, IHC, CoIP

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

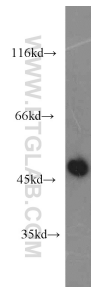
For technical support and original validation data for this product please contact:

T: 4006900926

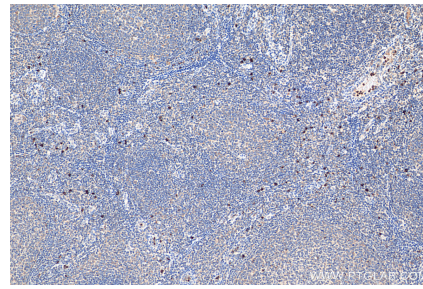
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

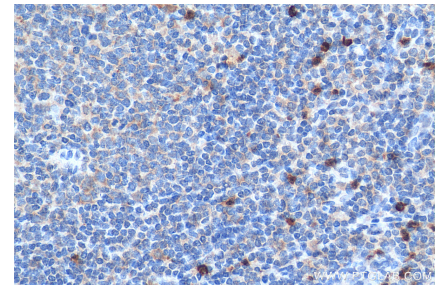
Selected Validation Data



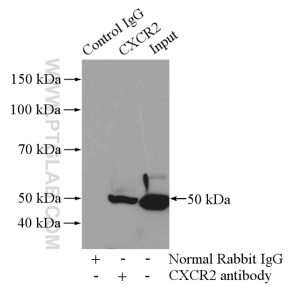
L02 cells were subjected to SDS PAGE followed by western blot with 20634-1-AP (CXCR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



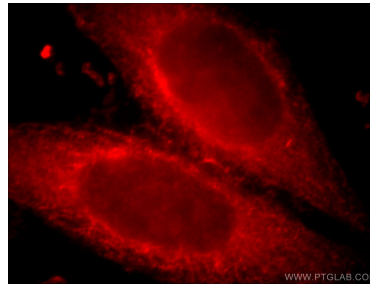
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 20634-1-AP (CXCR2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



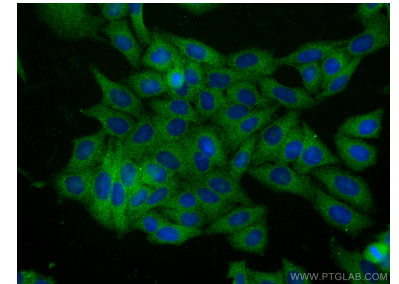
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 20634-1-AP (CXCR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CXCR2 antibody (20634-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).