

## CX3CR1 Polyclonal Antibody

Catalog number: 13885-1-AP

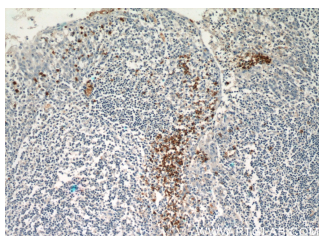
Size: 20 µg/150 µl

Source: Rabbit

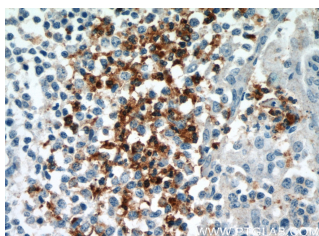
Isotype: IgG

Synonyms:

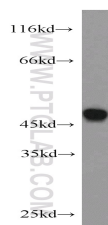
CX3CR1; Beta chemokine receptor like 1, C X3 C CKR 1, CCRL1, CMK BRL 1, CMK BRL1, CMKBRL1, CMKDR1, CX3C chemokine receptor 1, CX3CR1, Fractalkine receptor, G protein coupled receptor 13, GPR13, GPRV28, V28



Immunohistochemical of paraffin-embedded human tonsillitis using 13885-1-AP(CX3CR1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human tonsillitis using 13885-1-AP(CX3CR1 antibody) at dilution of 1:50 (under 40x lens)



HL-60 cells were subjected to SDS PAGE followed by western blot with 13885-1-AP(CX3CR1 antibody) at dilution of 1:800

### Background

CX3CR1, also known as GPR13, V28 and fractalkine receptor, belongs to the 7-transmembrane G protein-coupled receptor (GPCR) family. It is expressed on microglia, astrocytes, NK cells, monocytes/macrophages, and a subpopulation of T cells. CX3CR1 is the receptor for fractalkine (CX3CL1) and mediates both its adhesive and migratory functions. It also acts as coreceptor with CD4 for HIV-1 virus envelope protein (in vitro), and some variations in the gene of CX3CR1 lead to increased susceptibility to HIV-1 infection and rapid progression to AIDS. Defects in CX3CR1 are a cause of susceptibility to age-related macular degeneration type 12 (ARMD12).

### Applications

Tested applications:	ELISA, WB, IHC, FC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated CX3CR1 MW:	40 kDa
Observed CX3CR1 MW:	47 kDa
Positive WB detected in	HL-60 cells, K-562 cells, SH-SY5Y cells, U-937 cells
Positive IP detected in	SH-SY5Y cells
Positive IHC detected in	Human tonsillitis tissue
Positive FC detected in	K-562 cells
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:500-1:5000
	IHC: 1:20-1:200
	FC: N/A

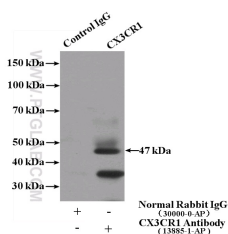
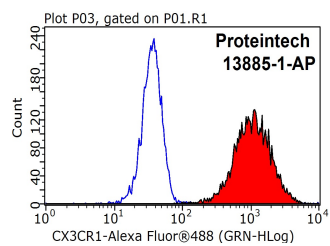
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4149
GenBank accession number:	BC028078
Gene ID (NCBI):	1524
Full name:	Chemokine (C-X3-C motif) receptor 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



1X10<sup>6</sup> K-562 cells were stained with 0.2ug CX3CR1 antibody (13885-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.

IP Result of anti-CX3CR1 (IP:13885-1-AP, 4ug; Detection:13885-1-AP 1:1000) with SH-SY5Y cells lysate 1600ug.