

For Research Use Only

# CX3CR1 Polyclonal antibody

Catalog Number: 13885-1-AP

Featured Product

43 Publications



## Basic Information

### Catalog Number:

13885-1-AP

### Size:

150ul, Concentration: 600 µg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4149

### GenBank Accession Number:

BC028078

### GeneID (NCBI):

1524

### UNIPROT ID:

P49238

### Full Name:

chemokine (C-X3-C motif) receptor 1

### Calculated MW:

40 kDa

### Observed MW:

44-47 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

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP, Cell treatment

### Species Specificity:

human

### Cited Species:

human, mouse, rat, zebrafish

### Positive Controls:

WB: HeLa cells, HL-60 cells, HEK-293 cells, SH-SY5Y cells, U-937 cells, K-562 cells

IP: SH-SY5Y cells,

## Background Information

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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jie Li	34561797	Environ Sci Pollut Res Int	WB
Haiyuan Liu	32980177	Gastroenterol Hepatol	WB
Ricardo Bonfante	30248434	Neuroscience	IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

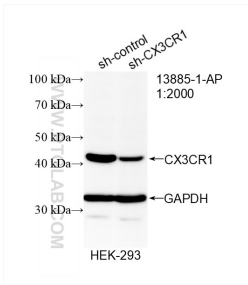
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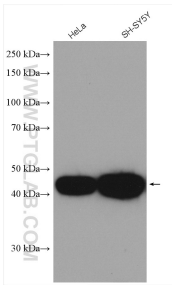
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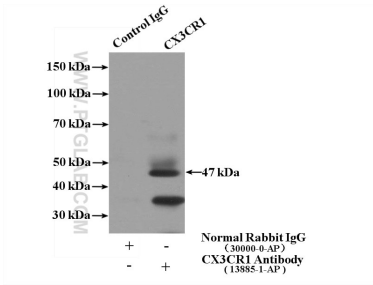
Selected Validation Data



WB result of CX3CR1 antibody (13885-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CX3CR1 transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 13885-1-AP (CX3CR1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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