

For Research Use Only

CX3CR1 Recombinant monoclonal antibody

Catalog Number: 82183-2-RR



Basic Information

Catalog Number:

82183-2-RR

Source:

Rabbit

Isotype:

IgG

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:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

251201C9

Recommended Dilutions:

WB: 1:2000-1:10000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : Jurkat cells, rat brain tissue, mouse brain tissue, THP-1 cells, HEK-293 cells, HeLa cells

IF/ICC : 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). The two CX3CR1 bands exhibited can be attributed to various factors (PMID: 30628679).

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

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

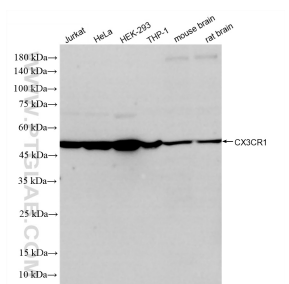
T: 4006900926

E: Proteintech-CN@ptglab.com

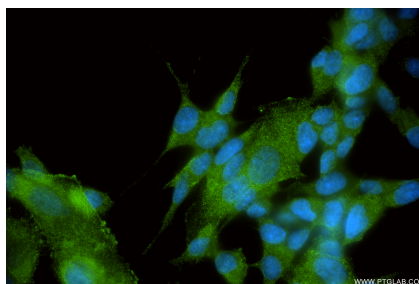
W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82183-2-RR (CX3CR1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using CX3CR1 antibody (82183-2-RR, Clone: 251201C9) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).