

For Research Use Only

CXCR5 Polyclonal antibody, PBS Only

Catalog Number:28239-1-PBS



Basic Information

Catalog Number:

28239-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28271

GenBank Accession Number:

NM_001716

GeneID (NCBI):

643

UNIPROT ID:

P32302

Full Name:

chemokine (C-X-C motif) receptor 5

Calculated MW:

42 kDa

Observed MW:

33 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Initially discovered in 1992 as Burkitt's lymphoma receptor 1, CXCR5 (chemokine receptor 5, also known as CD185) is a seven-transmembrane G protein-coupled receptor (GPCR) protein (PMID: 32994482). CXCR5 is essential for naïve B-cell migration to and maturation in the lymph nodes and spleen, as well as for cluster of differentiation 4 T-cell (TFH and TCM) homing and interaction with B cells (PMID: 21471443). Moreover, CXCR5 is involved in the regulation of neural stem cells (NSC) and neuronal regeneration in the mouse brain, neuronal differentiation, neurogenesis, gliogenesis, and synaptogenesis (PMID: 37460877).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

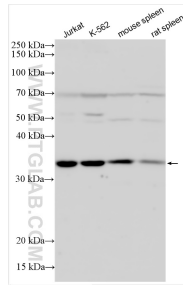
T: 4006900926

E: Proteintech-CN@ptglab.com

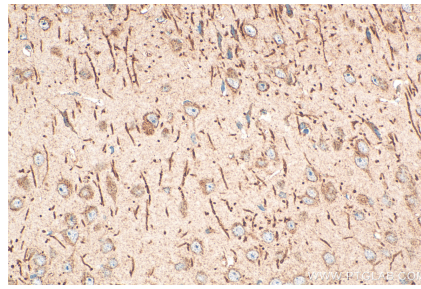
W: ptgcn.com

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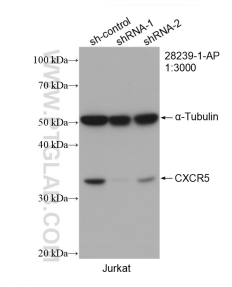
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28239-1-AP (CXCR5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28239-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28239-1-AP (CXCR5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 28239-1-PBS in a different storage buffer formulation.



WB result of CXCR5 antibody (28239-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CXCR5 transfected Jurkat cells. This data was developed using the same antibody clone with 28239-1-PBS in a different storage buffer formulation.