

For Research Use Only

CXCR5 Polyclonal antibody, PBS Only

Catalog Number: 28239-1-PBS



Basic Information

Catalog Number: 28239-1-PBS	GenBank Accession Number: NM_001716	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 643	
Source: Rabbit	UNIPROT ID: P32302	
Isotype: IgG	Full Name: chemokine (C-X-C motif) receptor 5	
Immunogen Catalog Number: AG28271	Calculated MW: 42 kDa	
	Observed MW: 33 kDa	

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.

Storage Buffer:
PBS Only

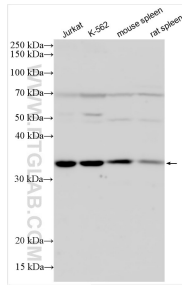
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

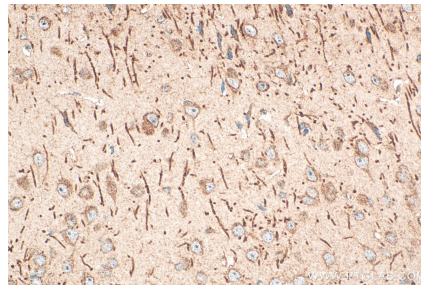
E: proteintech@ptglab.com
W: ptglab.com

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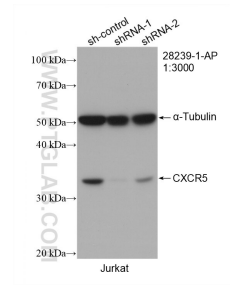
Selected Validation Data



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.