

For Research Use Only

CXCR5 Polyclonal antibody

Catalog Number: 28239-1-AP



Basic Information

Catalog Number: 28239-1-AP	GenBank Accession Number: NM_001716	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 643	Recommended Dilutions: WB 1:1000-1:4000
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, ELISA	Positive Controls: WB : Jurkat cells, K-562 cells, mouse spleen tissue, rat spleen tissue
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

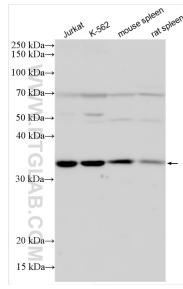
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

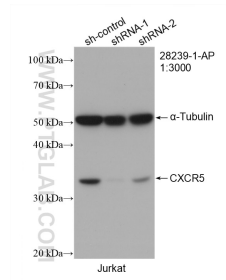
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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.



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.