

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: 450 ug/ml	GeneID (NCBI): 643	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
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, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : Jurkat cells, K-562 cells, mouse spleen tissue, rat spleen tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue,

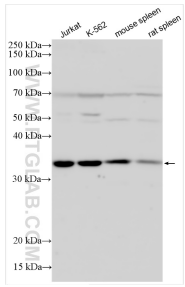
Background Information

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).

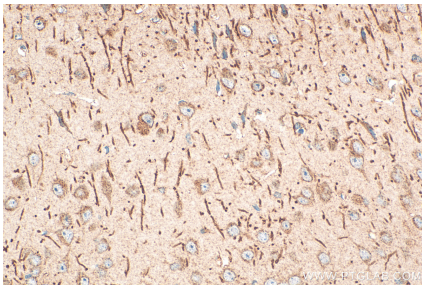
Storage

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

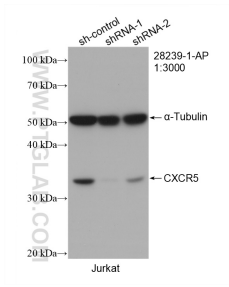
Selected Validation Data



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.



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).



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.