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CXCR5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19892a

Product Information

Application	WB, E
Primary Accession	P32302
Other Accession	NP_116743.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41684
Calculated MW	41955
Antigen Region	1-30

Additional Information

Gene ID	643
Other Names	C-X-C chemokine receptor type 5, CXC-R5, CXCR-5, Burkitt lymphoma receptor 1, Monocyte-derived receptor 15, MDR-15, CD185, CXCR5, BLR1, MDR15
Target/Specificity	This CXCR5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CXCR5.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CXCR5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CXCR5
Synonyms	BLR1, MDR15
Function	Cytokine receptor that binds to B-lymphocyte chemoattractant (BLC).

	Involved in B-cell migration into B-cell follicles of spleen and Peyer patches but not into those of mesenteric or peripheral lymph nodes. May have a regulatory function in Burkitt lymphoma (BL) lymphomagenesis and/or B-cell differentiation.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expression in mature B-cells and Burkitt lymphoma cells

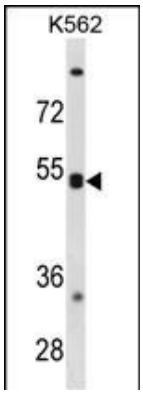
Background

This gene was identified as a gene specifically expressed in Burkitt's lymphoma and lymphatic tissues. The protein encoded by this gene is predicted to be a seven transmembrane G protein- coupled receptor and belongs to the CXC chemokine receptor family. BLC, a B-lymphocyte chemoattractant, was identified to be a specific ligand for this receptor. Studies of this gene and its mouse conterpart strongly suggest the essential function of this gene in B cell migration and localization within specific anatomic compartments, such as follicles in lymph nodes as well as in spleen. Two alternatively spliced variants of this gene exist.

References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Lee, H.T., et al. J. Rheumatol. 37(1):45-52(2010)
El Haibi, C.P., et al. Mol. Cancer 9, 85 (2010) :
Singh, S., et al. Int. J. Cancer 125(10):2288-2295(2009)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

Images



CXCR5 Antibody (N-term) (Cat. #AP19892a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CXCR5 antibody detected the CXCR5 protein (arrow).

Citations

- CXCL13 inhibition induce the apoptosis of MDA-MB-231 breast cancer cells through blocking CXCR5/ERK signaling pathway.