

Basic Information

Product Name	Anti-CXCR5 Antibody
Gene Name	CXCR5
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CXCR5, identical to the related rat and mouse sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	42 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

CXCR5(Chemokine CXC Motif Receptor 5), also known as BLR1, is a G protein-coupled seven transmembrane receptor for chemokine CXCL13(also known as BLC) and belongs to the CXC chemokine receptor family. In humans, the CXC-R5 protein is encoded by the CXCR5 gene. The gene plays an essential role in B cell migration. Reif et al.(2002) concluded that their findings defined the mechanism of B-cell relocalization in response to antigen, and established that cell position in vivo can be determined by the balance of responsiveness to chemoattractants made in separate but adjacent zones. Chan et al.(2003) investigated the expression of chemokines and chemokine receptors in eyes with primary intraocular B-cell lymphoma(PIOL).

Selected Validation Data



Western blot analysis of CXCR5 using anti-CXCR5 antibody (BA2997-2).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Rat Spleen tissue lysates,

Lane 2: HELA whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CXCR5 antigen affinity purified polyclonal antibody (BA2997-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CXCR5 at approximately 42 kDa. The expected band size for CXCR5 is at 42 kDa.