

Basic Information

Product Name	Anti-MIP-2/CXCL2 Antibody
Gene Name	CXCL2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived rat CXCL2 recombinant protein (Position: S32-N100). Rat CXCL2 shares 62.3% and 88.4% amino acid (aa) sequence identity with human and mouse CXCL2, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	11 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

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

Background Information

Chemokine (C-X-C motif) ligand 2 (CXCL2) is a small cytokine belonging to the CXC chemokine family that is also called macrophage inflammatory protein 2-α (MIP2-α), Growth-regulated protein beta (Gro-β) and Gro oncogene-2 (Gro-2). CXCL2 is 90% identical in amino acid sequence as a related chemokine, CXCL1. This chemokine is secreted by monocytes and macrophages and is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. The gene for CXCL2 is located on human chromosome 4 in a cluster of other CXC chemokines. CXCL2 mobilizes cells by interacting with a cell surface chemokine receptor called CXCR2.

Reference

Anti-MIP-2/CXCL2 Antibody 被引用在4文献中。

Selected Validation Data



Western blot analysis of MIP-2/CXCL2 using anti-MIP-2/CXCL2 antibody (PB0900).

Lane 1: recombinant rat CXCL2 protein 0.5ng.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-MIP-2/CXCL2 antigen affinity purified polyclonal antibody (PB0900) 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 MIP-2/CXCL2 at approximately 11 kDa.