

## Basic Information

Product Name	Anti-MIP-2/CXCL2 Antibody	
Gene Name	CXCL2	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E. coli-derived human CXCL2 recombinant protein (Position: T39-N107). Human CXCL2 shares 66.7% and 62.3% amino acid (aa) sequence identity with mouse and rat 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- $\alpha$  (MIP2- $\alpha$ ), Growth-regulated protein beta (Gro- $\beta$ ) 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.

## Selected Validation Data



Western blot analysis of MIP-2/CXCL2 using anti-MIP-2/CXCL2 antibody (PB0899).

Lane 1: recombinant human 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 (PB0899) 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.