

**Anti-MIP-2 Antibody**  
**Catalog # ABO12544****Specification**

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**Anti-MIP-2 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P30348</a>
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for C-X-C motif chemokine 2(CXCL2) detection. Tested with WB, ELISA in Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-MIP-2 Antibody - Additional Information**

**Gene ID** 114105

**Other Names**

C-X-C motif chemokine 2, Cytokine-induced neutrophil chemoattractant 3, CINC-3, Macrophage inflammatory protein 2, MIP2, Cxcl2, Cinc3, Mip-2, Mip2, Scyb2

**Calculated MW**

10783 MW KDa

**Application Details**

ELISA , 0.1-0.5 µg/ml, Mouse, -<br>Western blot, 0.1-0.5 µg/ml, Mouse, Rat<br>

**Subcellular Localization**

Secreted.

**Tissue Specificity**

At least expressed in the lung and trachea.

**Protein Name**

C-X-C motif chemokine 2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

**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 huamn and mouse CXCL2, respectively.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins.

Storage

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Anti-MIP-2 Antibody - Protein Information**

**Name** Cxcl2

**Synonyms** Cinc3, Mip-2, Mip2, Scyb2

**Function**

Chemotactic for human polymorphonuclear leukocytes but does not induce chemokinesis or an oxidative burst. Contributes to neutrophil activation during inflammation.

**Cellular Location**

Secreted.

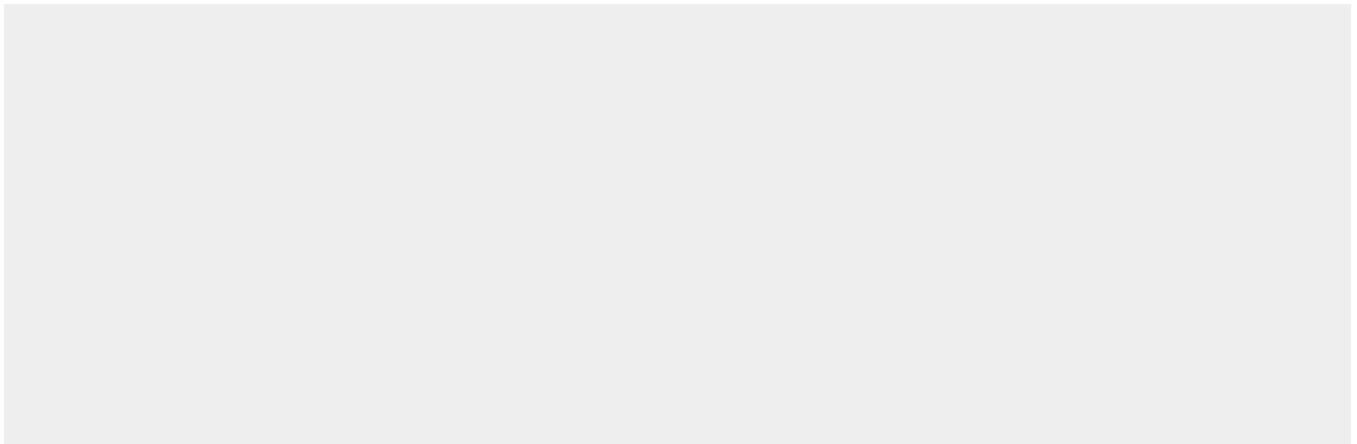
**Tissue Location**

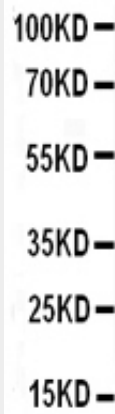
At least expressed in the lung and trachea.

**Anti-MIP-2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-MIP-2 Antibody - Images**



100KD —  
70KD —  
55KD —  
35KD —  
25KD —  
15KD —

Western blot analysis of CXCL2 expression in recombinant rat CXCL2 protein 0.5ng (lane 1). CXCL2 at 11KD was detected using rabbit anti- CXCL2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12544) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

#### **Anti-MIP-2 Antibody - Background**

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-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.