

**Anti-MIP-2 Antibody**  
**Catalog # ABO12543****Specification**

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

Application	WB, E
Primary Accession	<a href="#">P19875</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

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

**Reconstitution**

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

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

**Gene ID** 2920

**Other Names**

C-X-C motif chemokine 2, Growth-regulated protein beta, Gro-beta, Macrophage inflammatory protein 2-alpha, MIP2-alpha, GRO-beta(5-73), GRO-beta-T, Hematopoietic synergistic factor, HSF, SB-251353, CXCL2, GRO2, GROB, MIP2A, SCYB2

**Calculated MW**

11389 MW KDa

**Application Details**

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

**Subcellular Localization**

Secreted.

**Protein Name**

C-X-C motif chemokine 2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**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.

**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** GRO2, GROB, MIP2A, SCYB2

**Function**

Produced by activated monocytes and neutrophils and expressed at sites of inflammation. Hematopoietic chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. GRO-beta(5-73) shows a highly enhanced hematopoietic activity.

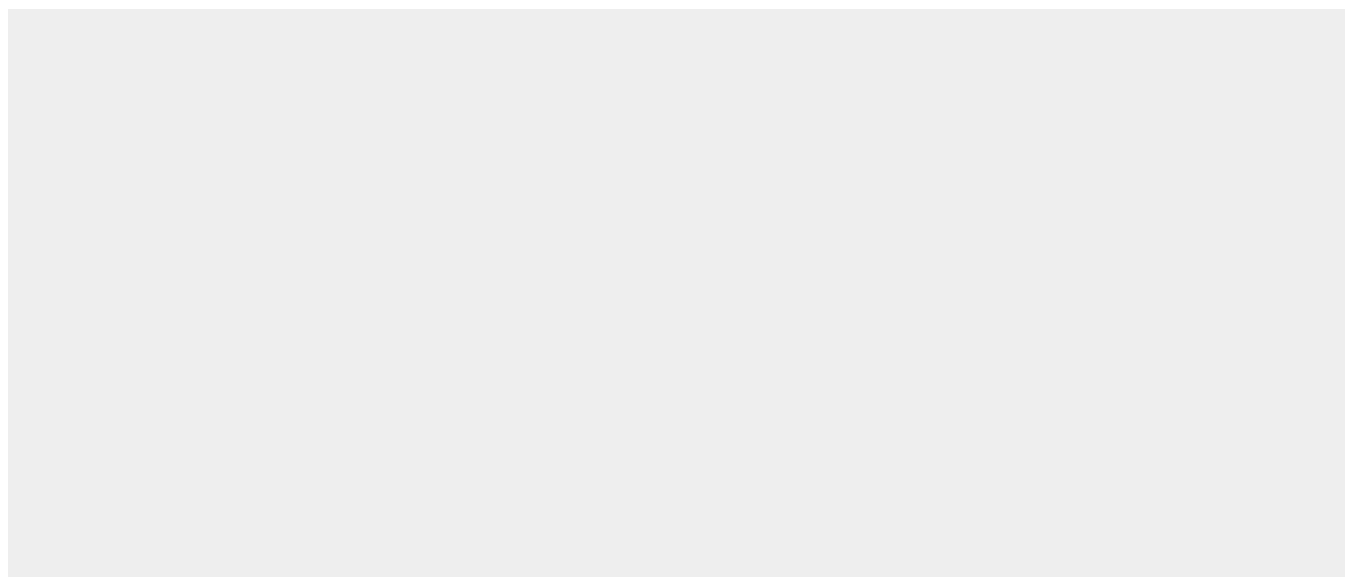
**Cellular Location**

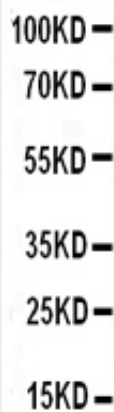
Secreted.

**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**



Western blot analysis of CXCL2 expression in recombinant human CXCL2 protein 0.5ng (lane 1). CXCL2 at 11KD was detected using rabbit anti- CXCL2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12543) 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.