

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

Anti-MIP-2 Antibody - Product Information

Application	WB
Primary Accession	P30348
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, -
Western blot, 0.1-0.5 µg/ml, Mouse, Rat

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.

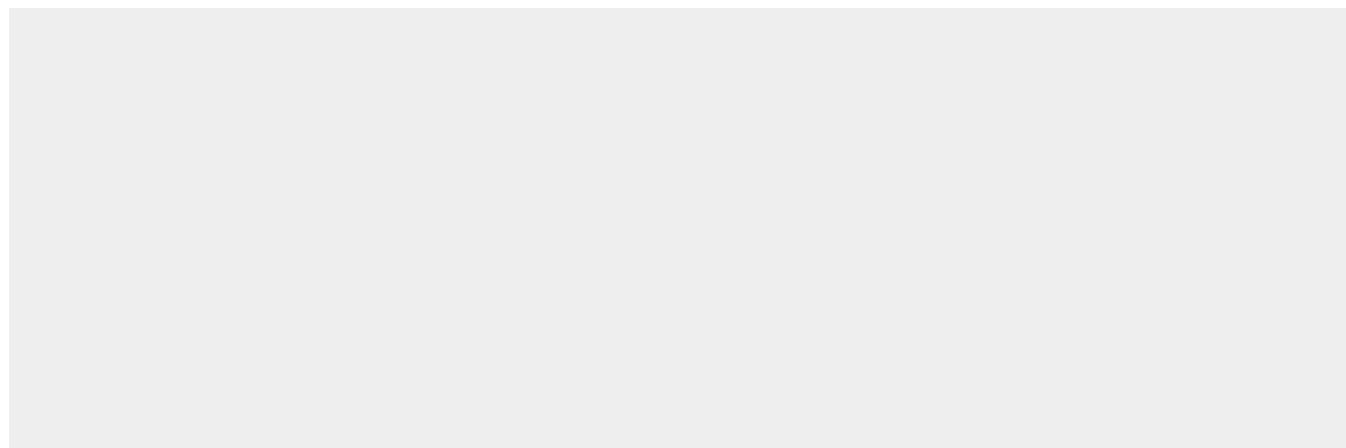
Tissue Location

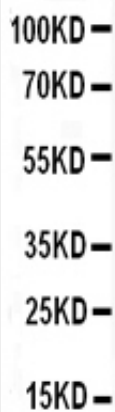
At least expressed in the lung and trachea.

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.