

Anti-MIP-2 Antibody

Catalog # ABO12544

Product Information

Application	WB, E
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.

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
Application Details	ELISA , 0.1-0.5 μ g/ml, Mouse, - Western blot, 0.1-0.5 μ g/ml, Mouse, Rat
Subcellular Localization	Secreted.
Tissue Specificity	At least expressed in the lung and trachea.
Source	Eukaryota
Protein Name	C-X-C motif chemokine 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.
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.

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.

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- 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.

Images



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 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

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