

Anti-CXCL1 Antibody
Catalog # ABO11069**Specification**

Anti-CXCL1 Antibody - Product Information

Application	WB
Primary Accession	P09341
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Growth-regulated alpha protein(CXCL1) detection. Tested with WB in Human.

Reconstitution

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

Anti-CXCL1 Antibody - Additional Information

Gene ID 2919

Other Names

Growth-regulated alpha protein, C-X-C motif chemokine 1, GRO-alpha(1-73), Melanoma growth stimulatory activity, MGSA, Neutrophil-activating protein 3, NAP-3, GRO-alpha(4-73), GRO-alpha(5-73), GRO-alpha(6-73), CXCL1, GRO, GRO1, GROA, MGSA, SCYB1

Calculated MW

11301 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Secreted.

Protein Name

Growth-regulated alpha protein

Contents

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

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human GRO alpha(99-107aa KMLNSDKSN).

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.

Sequence Similarities

Belongs to the intercrine alpha (chemokine CxC) family.

Anti-CXCL1 Antibody - Protein Information

Name CXCL1

Synonyms GRO, GRO1, GROA, MGSA, SCYB1

Function

Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity.

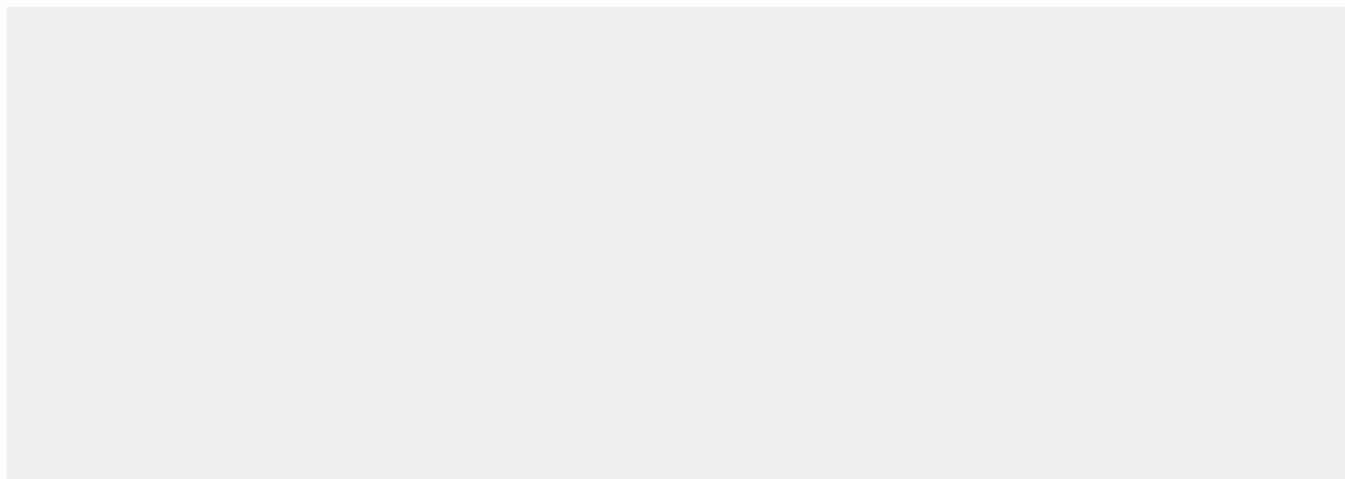
Cellular Location

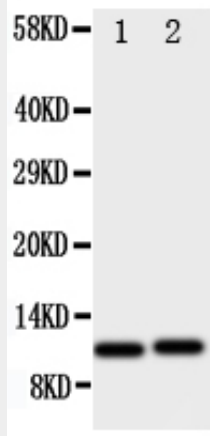
Secreted.

Anti-CXCL1 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-CXCL1 Antibody - Images



Anti-GRO alpha antibody, ABO11069, Western blotting All lanes: Anti GRO alpha (ABO11069) at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: JURKAT Whole Cell Lysate at 40ug Predicted bind size: 11KD Observed bind size: 11KD

Anti-CXCL1 Antibody - Background

CXCL1 (Chemokine, CXC motif, Ligand 1), also called GRO1, SCYB1, GROA or MGSA, is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, GROalpha, KC, Neutrophil-activating protein 3 (NAP-3) and melanoma growth stimulating activity, alpha (MSGAlpha-alpha). In humans, this protein is encoded by the CXCL1 gene. The CXCL1 gene is mapped on 4q13.3. CXCL1 is secreted by human melanoma cells, has mitogenic properties and is implicated in melanoma pathogenesis. CXCL1 is expressed by macrophages, neutrophils and epithelial cells, and has neutrophil chemoattractant activity. CXCL1 plays a role in spinal cord development by inhibiting the migration of oligodendrocyte precursors and is involved in the processes of angiogenesis, inflammation, wound healing, and tumorigenesis. Signaling through Cxcr2, Cxcl1 inhibited oligodendrocyte precursor migration. The migrational arrest was rapid, reversible, and concentration dependent, and it reflected enhanced cell/substrate interactions. White matter expression of Cxcl1 was temporospatially regulated. Others contribute to aggressive growth selectivity in the lung. Among the lung metastasis signature genes identified, several, including CXCL1, were functionally validated.