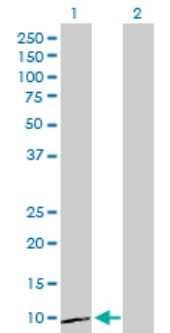
MaxPab®

# CXCL1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002919-D01P Size 100 ug

## Applications




### Western Blot (Transfected lysate)

Western Blot analysis of CXCL1 expression in transfected 293T cell line (H00002919-T01) by CXCL1 MaxPab polyclonal antibody.

Lane 1: CXCL1 transfected lysate(11.30 KDa).
Lane 2: Non-transfected lysate.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against a full-length human CXCL1 protein. |
| **Immunogen** | CXCL1 (NP_001502.1, 1 a.a. ~ 107 a.a) full-length human protein. |
| **Sequence** | MARAALSAAPSNPRLLRVALLLLLLVAAGRRAAGASVATELRCQCLQTLQGIHPKNIQSVNVKSP GPHCAQTEVIATLKNGRKACLNPASPIVKKIIEKMLNSDKSN |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Quality Control Testing** | Antibody reactive against mammalian transfected lysate. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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  Protocol Download

## Gene Info — CXCL1

| | |
|---|---|
| **Entrez GeneID** | 2919 |
| **GeneBank Accession#** | NM_001511 |
| **Protein Accession#** | NP_001502.1 |
| **Gene Name** | CXCL1 |
| **Gene Alias** | FSP, GRO1, GROa, MGSA, MGSA-a, NAP-3, SCYB1 |
| **Gene Description** | chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) |
| **Omim ID** | 155730 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC, based on the arrangement of the first 2 of the 4 conserved cysteine residues; the 2 cysteines are separated by a single amino acid in CXC chemokines and are adjacent in CC chemokines. CXC chemokines are further subdivided into ELR and non-ELR types based on the presence or absence of a glu-leu-arg sequence adjacent and N terminal to the CXC motif. ELR types are chemotactic for neutrophils, while non-ELR types are chemotactic for lymphocytes.[supplied by OMIM |
| **Other Designations** | GRO1 oncogene (melanoma growth stimulating activity, alpha)\|GRO1 oncogene (melanoma growth-stimulating activity)\|MGSA alpha\|chemokine (C-X-C motif) ligand 1\|fibroblast secretory protein\|melanoma growth stimulatory activity alpha |

## Publication Reference

- Biomarkers for Inflammatory Disease and Methods of Using Same.

  Carolyn Cuff, Melanie C. Ruzek, Jeffrey W. Voss.

  United States Patent Application Publication 2016 Jan; [Epub].

  Application: IF, WB, Human, Lymphocyte

## Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction
- Epithelial cell signaling in Helicobacter pylori infection

## Disease

- Alzheimer disease
- Asthma
- Bronchiolitis
- Genetic Predisposition to Disease
- Infant
- Ovarian Neoplasms
- Respiratory Syncytial Virus Infections