

## CXCL1 Antibody

**CATALOG NO.:** 30-009

**SPECIES REACTIVITY:** H

**ACCESSION NUMBER:** NP\_001502

### **BACKGROUND:**

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.[supplied by OMIM].

### **SOURCE:**

Polyclonal antibody produced in rabbits immunized with a synthetic peptide corresponding to a region of Human CXCL1.

### **PURIFICATION:**

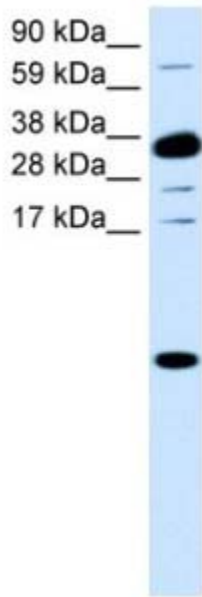
Rabbit Ig G is purified by peptide affinity chromatography method.

### **APPLICATION:**

CXCL1 antibody can be used for Western blot at a suggested dilution at 0.0758µg/ml in 5% skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1: 50,000 - 100,000 as secondary antibody. Optimal dilutions/concentrations should be determined by the end user. The information provided is a guideline for product use. This antibody is for research use only.

### **STORAGE:**

Antibody is lyophilized from PBS buffer with 2% sucrose. Add 50 µl of distilled water. Final antibody concentration is 1 mg/ml. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.



Western blot analysis of CXCL1 expression in intestine lysate using CXCL1 antibody 0.07 $\mu$ g/ml.