

For Research Use Only

# CXCL1 Polyclonal antibody

Catalog Number: 12335-1-AP

Featured Product

45 Publications



## Basic Information

|                                                               |                                                                                                     |                                                                    |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Catalog Number:</b><br>12335-1-AP                          | <b>GenBank Accession Number:</b><br>BC011976                                                        | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 300 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>2919                                                                       | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IHC 1:50-1:500 |
| <b>Source:</b><br>Rabbit                                      | <b>Full Name:</b><br>chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) |                                                                    |
| <b>Isotype:</b><br>IgG                                        | <b>Calculated MW:</b><br>8 kDa to 14 kDa                                                            |                                                                    |
| <b>Immunogen Catalog Number:</b><br>AG2917                    |                                                                                                     |                                                                    |

## Applications

|                                                                                                                                                      |                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Tested Applications:</b><br>IHC, WB, ELISA                                                                                                        | <b>Positive Controls:</b>                                            |
| <b>Cited Applications:</b><br>ELISA, IF, IHC                                                                                                         | <b>WB :</b> LPS and Protein transport inhibitor treated HUVEC cells, |
| <b>Species Specificity:</b><br>human                                                                                                                 | <b>IHC :</b> human gliomas tissue,                                   |
| <b>Cited Species:</b><br>human, mouse                                                                                                                |                                                                      |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |                                                                      |

## Background Information

CXCL1 a is a member of CXC family and also known as keratinocyte-derived chemokines (KC) or growth-related oncogene (GRO). CXCL1 is expressed by macrophages, neutrophils and epithelial cells. CXCL1 binding specifically to the CXC chemokine receptor CXCR2, is involved in fibrogenesis and angiogenesis. This protein also plays a role in inflammation and as a chemoattractant for neutrophils. CXCL1 is upregulated in some types of human cancer, including colorectal, bladder, breast, prostate and skin cancers.

## Notable Publications

| Author               | Pubmed ID | Journal             | Application |
|----------------------|-----------|---------------------|-------------|
| Cristabelle De Souza | 33126568  | Int J Mol Sci       | IHC,IF      |
| Jiali Dong           | 34706245  | Cell Rep            | IHC         |
| Jian Chen            | 34722509  | Front Cell Dev Biol | IF          |

## Storage

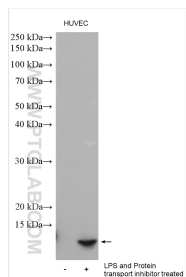
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

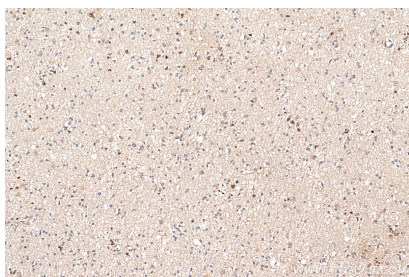
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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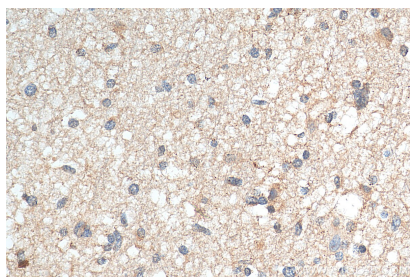
## Selected Validation Data



LPS and Brefeldin A treated HUVEC cells were subjected to SDS PAGE followed by western blot with 12335-1-AP (CXCL1 antibody) at dilution of 1:1000 and incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12335-1-AP (CXCL1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12335-1-AP (CXCL1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).