

For Research Use Only

# CXCL10/IP10 Polyclonal antibody

Catalog Number: 10937-1-AP

Featured Product

25 Publications



## Basic Information

Catalog Number:

10937-1-AP

Size:

3000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1369

GenBank Accession Number:

BC010954

GeneID (NCBI):

3627

UNIPROT ID:

P02778

Full Name:

chemokine (C-X-C motif) ligand 10

Calculated MW:

11 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:200-1:800

## Applications

Tested Applications:

IHC, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

IHC : human ovary tumor tissue, human hepatocirrhosis tissue, human nasopharyngeal carcinoma tissue, human liver cancer tissue

## Background Information

CXCL10 (also known as IP-10) is a member of the CXC chemokine family which binds to the CXCR3 receptor to exert its biological effects. CXCL10 is a 12-kDa protein and constitutes two internal disulfide cross bridges. The predicted signal peptidase cleavage generates a 10-kDa secreted polypeptide with four conserved cysteine residues in the N-terminal. The CXCL10 gene localizes on chromosome 4 at band q21, a locus associated with an acute monocytic/B-lymphocyte lineage leukemia exhibiting translocation of t (4; 11) (q21; q23). CXCL10 mediates leukocyte trafficking, adaptive immunity, inflammation, haematopoiesis and angiogenesis. Under proinflammatory conditions CXCL10 is secreted from a variety of cells, such as leukocytes, activated neutrophils, eosinophils, monocytes, epithelial cells, endothelial cells, stromal cells (fibroblasts) and keratinocytes in response to IFN- $\gamma$ .

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuanfeng Wei	34765295	Am J Cancer Res	IHC
Ying Jiang	34655920	Mol Immunol	WB,IHC
Taoyuan Lu	35711443	Front Immunol	IHC

## 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

For technical support and original validation data for this product please contact:

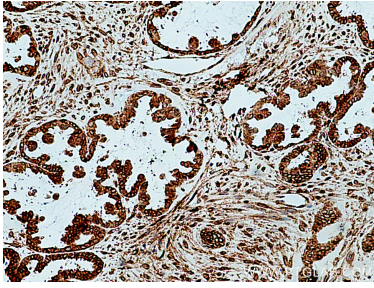
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

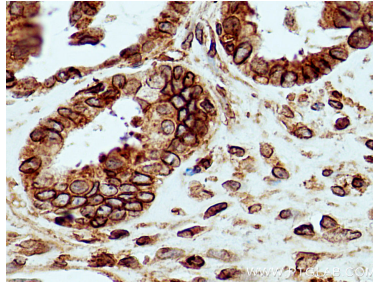
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10937-1-AP (CXCL10/IP10 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10937-1-AP (CXCL10/IP10 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).