

For Research Use Only

CXCL10/IP-10 Polyclonal antibody

Catalog Number: 10937-1-AP

Featured Product

44 Publications



Basic Information

Catalog Number: 10937-1-AP	GenBank Accession Number: BC010954	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 3000 ug/ml by Nanodrop;	GeneID (NCBI): 3627	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: P02778	
Isotype: IgG	Full Name: chemokine (C-X-C motif) ligand 10	
Immunogen Catalog Number: AG1369	Calculated MW: 11 kDa	
	Observed MW: 11 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse, rat

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:

WB : IFN gamma, LPS and Brefeldin A treated THP-1 cells,

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

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

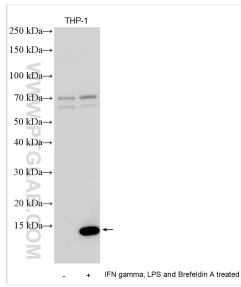
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

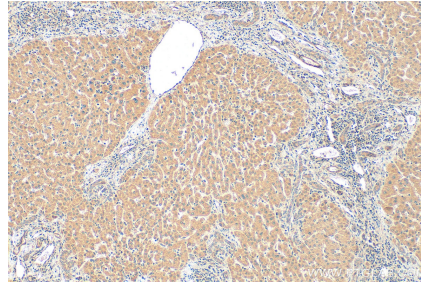
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

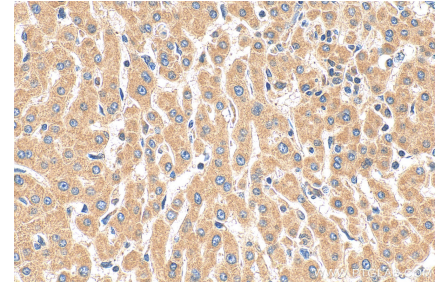
Selected Validation Data



Untreated, IFN gamma, LPS and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 10937-1-AP (CXCL10/IP-10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 10937-1-AP (CXCL10/IP-10 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 hepatocirrhosis tissue slide using 10937-1-AP (CXCL10/IP-10 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).