

For Research Use Only

# CXCL11 Polyclonal antibody

Catalog Number: 10707-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 10707-1-AP	<b>GenBank Accession Number:</b> BC005292	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 700 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6373	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O14625	
<b>Isotype:</b> IgG	<b>Full Name:</b> chemokine (C-X-C motif) ligand 11	
<b>Immunogen Catalog Number:</b> AG1087	<b>Calculated MW:</b> 10 kDa	
	<b>Observed MW:</b> 11 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Cited Applications:**  
IHC

**Species Specificity:**  
human

**Cited Species:**  
human

**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 colon cancer tissue,

## Background Information

CXCL11, also known as IFN-inducible T-cell  $\alpha$ -chemoattractant (I-TAC), is a member of the ELR-negative CXC chemokine family. It is produced by various cells including leukocytes, fibroblasts, and endothelial cells upon stimulation with interferons (IFNs). CXCL11 signals through the chemokine receptors CXCR3 and CXCR7. This chemokine is associated with multiple functions such as chemotactic migration, regulation of cell proliferation and self-renewal, increasing cell adhesion, and modulation of angiostatic effects.

## Notable Publications

Author	Pubmed ID	Journal	Application
Haihang Nie	38834869	Cancer Immunol Immunother	IHC
Zihan Xi	38137348	Biomedicines	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

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

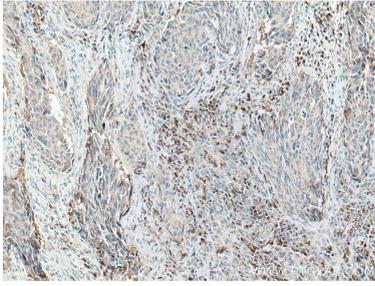
For technical support and original validation data for this product please contact:

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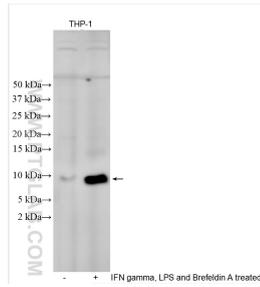
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10707-1-AP (CXCL11 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



IFN gamma, LPS and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 10707-1-AP (CXCL11 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.