

For Research Use Only

# CX3CL1 Polyclonal ANTIBODY



Catalog Number: 10108-2-AP

4 Publications

## Basic Information

Catalog Number:  
10108-2-AP

Size:  
22 µg/150 µl

Source:  
Rabbit

Isotype:  
IgG

Purification Method:  
Antigen affinity purification

Immunogen Catalog Number:  
AG0161

GenBank Accession Number:  
BC001163

GeneID (NCBI):  
6376

Full Name:  
chemokine (C-X<sub>3</sub>-C motif) ligand 1

Calculated MW:  
42 kDa

Observed MW:  
90-100 kDa

Recommended Dilutions:

WB : 1:500-1:2000

IHC : 1:20-1:200

## Applications

Tested Applications:  
IHC, WB, ELISA

Cited Applications:  
IHC, WB

Species Specificity:  
human

Cited Species:  
human

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

Positive Controls:

WB : PC-3 cells; human brain tissue

IHC : human small intestine tissue;

## Background Information

Chemokines direct the trafficking of white blood cells in immune surveillance, playing a key role in inflammatory and infectious diseases such as AIDS. The human CX3C chemokine carries the chemokine domain on top of an extended mucin-like stalk. CX3CL1 is synthesized as a 50-75kDa precursor and undergoes glycosylation to yield two mature forms: a 100kDa cell membrane bound form and an 85kDa soluble form which is released from the cell surface. The soluble CX3C chemokine has potent chemoattractant activity for T cells and monocytes, and the cell-surface-bound protein, which is induced by primary proinflammatory signals in activated primary endothelial cells, promotes strong adhesion of those leukocytes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Boelens Mirjam C MC	19334046	J Pathol	IHC
Ma Yue Y	18070985	Blood	IHC
Aoife P Kiely	29850876	J Neuropathol Exp Neurol	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% 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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

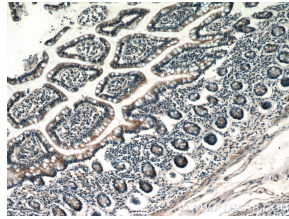
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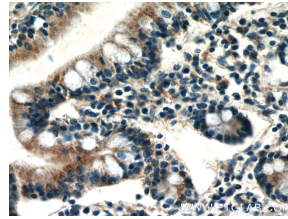
## Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 10108-2-AP(CXCL1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human small intestine slide using 10108-2-AP(CXCL1 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human small intestine slide using 10108-2-AP(CXCL1 Antibody) at dilution of 1:50 (under 40x lens)