

For Research Use Only

# CXCL16 Polyclonal antibody

Catalog Number: 13902-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 13902-1-AP	<b>GenBank Accession Number:</b> BC017588	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 350 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 58191	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H2A7	
<b>Isotype:</b> IgG	<b>Full Name:</b> chemokine (C-X-C motif) ligand 16	
<b>Immunogen Catalog Number:</b> AG4872	<b>Calculated MW:</b> 273 aa, 30 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
WB, IHC

**Species Specificity:**  
human

**Cited Species:**  
human, mouse

## Background Information

CXCL16 is a recently discovered cytokine belonging to the CXC chemokine family, which is synthesised in plasmacytoid dendritic cell as a transmembrane molecule. It exists in a transmembrane and soluble form. The transmembrane form of CXCL16 functions as an adhesion molecule for CXCR6-expressing cells, whereas the soluble form of CXCL16 mediates infiltration of circulating cells into sites of injury. CXCL16, has been proposed as an important pathogenic mediator in inflammatory diseases, including rheumatoid arthritis, glomerulonephritis, or prostate cancer. CXCL16 has been implicated in some forms of renal disease such as lupus nephritis and antiglomerular basement membrane nephritis. CXCL16 also plays a pivotal role in the pathogenesis of angiotensin II-induced renal injury and fibrosis through regulation of macrophage and T cell infiltration and bone marrow-derived fibroblast accumulation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lu Xia	34098198	Pathol Res Pract	WB, IHC
Weihao Deng	38232513	Transl Oncol	IHC
Yawen Wan	38146125	J Viral Hepat	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:  
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

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## Selected Validation Data