

For Research Use Only

CXCL17 Polyclonal antibody

Catalog Number: 18108-1-AP

7 Publications



Basic Information

Catalog Number: 18108-1-AP	GenBank Accession Number: BC093946	Purification Method: Antigen affinity purification
Concentration: 350 ug/ml	GeneID (NCBI): 284340	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q6UXB2	
Isotype: IgG	Full Name: chemokine (C-X-C motif) ligand 17	
Immunogen Catalog Number: AG12516	Calculated MW: 119 aa, 14 kDa	

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human

Cited Species:
human, 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 colon cancer tissue, human breast cancer tissue, human liver cancer tissue, human stomach cancer tissue

Background Information

CXCL17, also known as C-X-C motif chemokine 17, is a relatively newly discovered member of the CXC chemokine family, which plays a multifaceted role in immune responses and other biological processes. CXCL17 has been implicated in several human pathologies, and its role in mediating immune responses is of particular interest. It is involved in the recruitment of immune cells, angiogenesis, and control of microorganisms at mucosal barriers. It is also known to be involved in tumor angiogenesis and has shown both proinflammatory and anti-inflammatory effects. CXCL17 is highly expressed in the gastric mucosa and other mucosal tissues. Its receptor was identified as GPR35 and named CXCR8, although the functional role of this interaction is not yet fully understood. CXCL17's expression is associated with both disease progression and protection in various diseases. It has been linked to pulmonary fibrosis, asthma, lung cancer, and hepatic cancer, where increased expression is associated with disease progression. Conversely, it may play a protective role in pancreatic cancer, autoimmune encephalomyelitis, and viral infections. Research has shown that CXCL17 promotes neutrophil trafficking and plays a role in the early proinflammatory response by facilitating the recruitment of neutrophils to the site of insult. It also exhibits chemoattractant abilities targeting monocytes and macrophages and can induce the production of proangiogenic factors such as vascular endothelial growth factor A from treated monocytes

Notable Publications

Author	Pubmed ID	Journal	Application
Shuichi Shimada	33055012	J Dermatol Sci	IHC, WB, IF
Xiannian Zhang	34489433	Nat Commun	IHC
Zhou Jiang	35954390	Cancers (Basel)	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

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

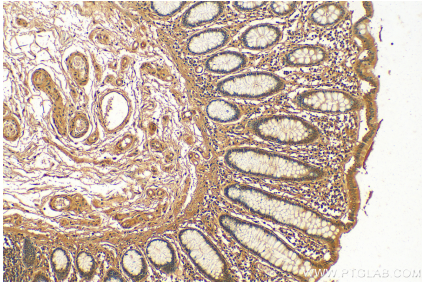
T: 4006900926

E: Proteintech-CN@ptglab.com

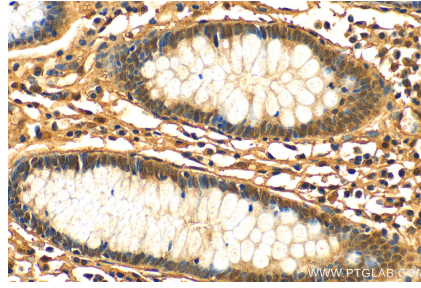
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 18108-1-AP (CXCL17 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 18108-1-AP (CXCL17 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).