

For Research Use Only

CXCL17 Polyclonal antibody

Catalog Number: 18108-1-AP

7 Publications



Basic Information

Catalog Number:

18108-1-AP

Size:

150ul, Concentration: 247 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12516

GenBank Accession Number:

BC093946

GeneID (NCBI):

284340

UNIPROT ID:

Q6UXB2

Full Name:

chemokine (C-X-C motif) ligand 17

Calculated MW:

119 aa, 14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

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

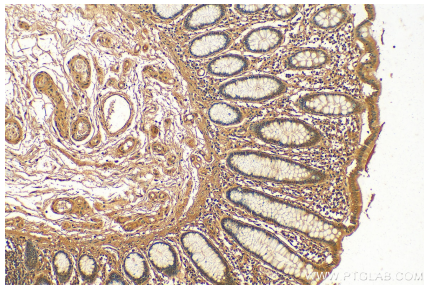
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

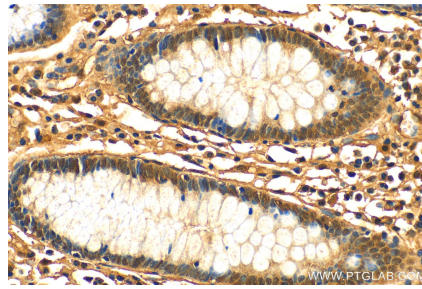
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



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).