

For Research Use Only

CXCL8/IL8 Polyclonal ANTIBODY



Catalog Number: 17038-1-AP

4 Publications

Basic Information

Catalog Number:
17038-1-AP

Size:
45 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG10552

GenBank Accession Number:
BC013615

GeneID (NCBI):
3576

Full Name:
interleukin 8

Calculated MW:
99aa, 11 kDa

Observed MW:

Recommended Dilutions:
IHC 1:50-1:500

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
IHC

Species Specificity:
human

Cited Species:
human

Positive Controls:

IHC : human pancreas cancer tissue;

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

Background Information

Interleukin 8 (IL-8), also known as CXCL8, which is a member of the CXC chemokine family. This chemokine is secreted by a variety of cell types including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, and various tumor cell lines in response to inflammatory stimuli. IL-8 has two primary functions. It induces chemotaxis in target cells, primarily neutrophils but also other granulocytes, causing them to migrate toward the site of infection. IL-8 also induces phagocytosis once they have arrived. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. IL-8 is also known to be a potent promoter of angiogenesis. IL-8 has been associated with tumor angiogenesis, metastasis, and poor prognosis in breast cancer. IL-8 may present a novel therapeutic target for estrogen driven breast carcinogenesis and tumor progression.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------------|-----------|----------------|-------------|
| Pedram Tabatabaei | 27664151 | J Neurooncol | IHC |
| Dayan Dan D | 23342263 | Cancer Med | IHC |
| Yongjiang Lang | 25027604 | BMC Biotechnol | WB |

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

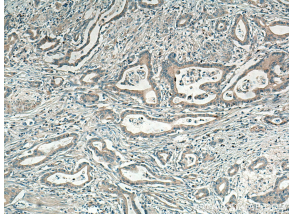
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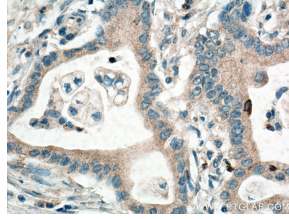
E: proteintech@ptglab.com
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 17038-1-AP (CXCL8/IL8 antibody) at dilution of 1:200 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 17038-1-AP (CXCL8/IL8 antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).