

CXCL10/IP10 Polyclonal ANTIBODY

Catalog Number: 10937-1-AP

Basic Information

Catalog Number:
10937-1-AP

Size:
158 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification
Immunogen Catalog Number:
AG1369

GenBank Accession Number:
BC010954

GeneID (NCBI):
3627

Full Name:
chemokine (C-X-C motif) ligand 10

Calculated MW:
11 kDa

Observed MW:

Recommended Dilutions:
IHC 1:50-1:500

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
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:

IHC : human nasopharyngeal carcinoma tissue;
human liver cancer tissue

Background Information

CXCL10 (also known as IP-10) is a member of the CXC chemokine family which binds to the CXCR3 receptor to exert its biological effects. CXCL10 is a 12-kDa protein and constitutes two internal disulfide cross bridges. The predicted signal peptidase cleavage generates a 10-kDa secreted polypeptide with four conserved cysteine residues in the N-terminal. The CXCL10 gene localizes on chromosome 4 at band q21, a locus associated with an acute monocytic/B-lymphocyte lineage leukemia exhibiting translocation of 1 (4; 11) (q21; q23). CXCL10 mediates leukocyte trafficking, adaptive immunity, inflammation, haematopoiesis and angiogenesis. Under proinflammatory conditions CXCL10 is secreted from a variety of cells, such as leukocytes, activated neutrophils, eosinophils, monocytes, epithelial cells, endothelial cells, stromal cells (fibroblasts) and keratinocytes in response to IFN-γ.

Notable Publications

Author	Pubmed ID	Journal	Application
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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

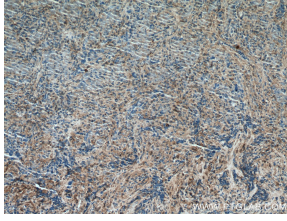
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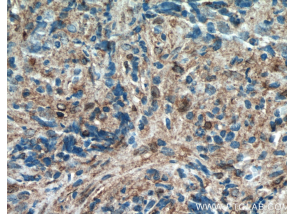
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human nasopharyngeal carcinoma tissue slide using 10937-1-AP (CXCL10/IP10 antibody) at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunohistochemical analysis of paraffin-embedded human nasopharyngeal carcinoma tissue slide using 10937-1-AP (CXCL10/IP10 antibody) at dilution of 1:200 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).