

# IL-20 Polyclonal antibody

Catalog Number: 18104-1-AP

1 Publications

## Basic Information

## Catalog Number:

18104-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG12447

## GenBank Accession Number:

BC074949

## GeneID (NCBI):

50604

## UNIPROT ID:

Q9NYY1

## Full Name:

interleukin 20

## Calculated MW:

406 aa, 44 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

IF

## Species Specificity:

human

## Cited Species:

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:

WB : HEK-293 cells,

IHC : human tonsillitis tissue,

## Background Information

Interleukin-20 (IL-20) is a protein belonging to the IL-10 family of cytokines. IL-20 receptor (IL-20R) and IL-20 are expressed in several normal tissue types, including the lung, skin, and kidney. IL-20 is a cytokine structurally related to interleukin 10. IL-20 is produced by activated keratinocytes and monocytes and transmits an intracellular signal through two distinct cell-surface receptor complexes on keratinocytes and other epithelial cells. IL-20 can stimulate STAT3 activation in keratinocytes. IL-20 regulates proliferation and differentiation of keratinocytes during inflammation, particularly inflammation associated with the skin. In addition, IL-20 also causes cell expansion of multipotential hematopoietic progenitor cells. IL-20 is highly associated with potent inflammatory diseases such as psoriasis, contact hypersensitivity, rheumatoid arthritis, and atherosclerosis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yu-Hsiang Hsu	34403503	Immunology	IF

## 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

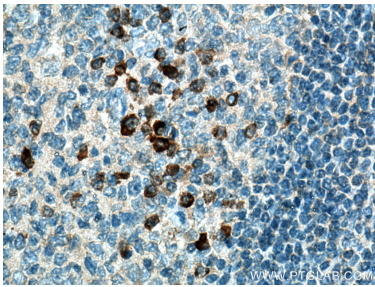
For technical support and original validation data for this product please contact:

T: 4006900926

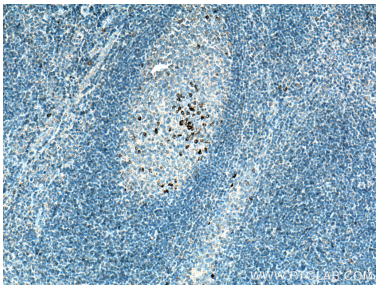
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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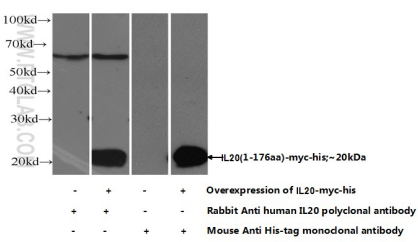
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 18104-1-AP (IL20 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 18104-1-AP (IL20 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 18104-1-AP (IL20 Antibody) at dilution of 1:700 incubated at room temperature for 1.5 hours.