

For Research Use Only

# IL-20 Polyclonal antibody

Catalog Number: 18104-1-AP

1 Publications



## Basic Information

Catalog Number:	18104-1-AP	GenBank Accession Number:	BC074949	Purification Method:	Antigen affinity purification
Size:	150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI):	50604	Recommended Dilutions:	WB 1:500-1:1000 IHC 1:50-1:500
Source:	Rabbit	UNIPROT ID:	Q9NYY1		
Isotype:	IgG	Full Name:	interleukin 20		
Immunogen Catalog Number:	AG12447	Calculated MW:	406 aa, 44 kDa		

## Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Cited Applications:	IF	WB :	HEK-293 cells,
Species Specificity:	human	IHC :	human tonsillitis tissue,
Cited Species:	mouse		
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>			

## 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

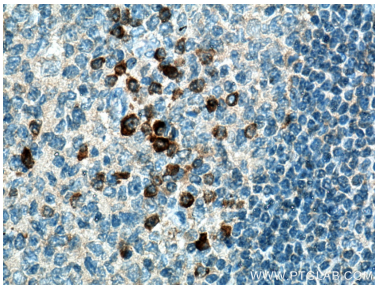
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

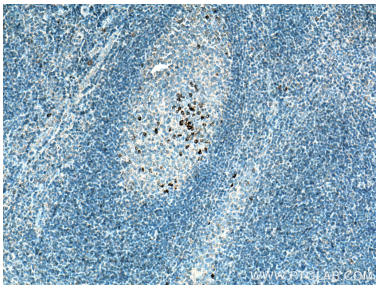
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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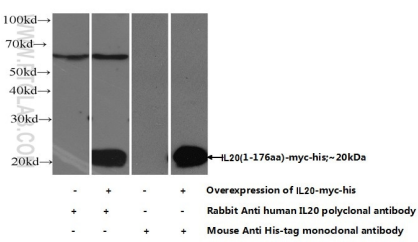
Selected Validation Data



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.