

For Research Use Only

# IL-17A Polyclonal antibody

Catalog Number: 13082-1-AP **54 Publications**



## Basic Information

<b>Catalog Number:</b> 13082-1-AP	<b>GenBank Accession Number:</b> BC067505	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 650 µg/ml	<b>GeneID (NCBI):</b> 3605	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000112115	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q16552	
<b>Immunogen Catalog Number:</b> AG3733	<b>Full Name:</b> interleukin 17A	
	<b>Calculated MW:</b> 155 aa, 18 kDa	

## Applications

**Tested Applications:**  
IHC, ELISA

**Cited Applications:**  
WB, IHC, IF

**Species Specificity:**  
human

**Cited Species:**  
human, rabbit

**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 cervical cancer tissue, human stomach cancer tissue, human colon tissue

## Background Information

IL17A, also named as IL-17, is a proinflammatory cytokine. IL-17, synthesized only by memory T cells and natural killer cells, has pleiotropic effects, mainly in the recruitment and activation of neutrophils. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The IL-17 receptor is a type I transmembrane protein, that is widely expressed on epithelial cells, fibroblasts, B and T cells, and monocytic cells. In psoriatic skin lesions, both Th17 cells and their downstream effector molecules, e.g. IL-17 and IL-22, are highly increased. This antibody got 32-35 kDa band in western blot, maybe due to homodimer formation and differential glycosylations.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yang Liu	36175851	BMC Mol Cell Biol	IF
Yong Xu	34630661	Exp Ther Med	WB
Ying Jiang	34655920	Mol Immunol	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

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

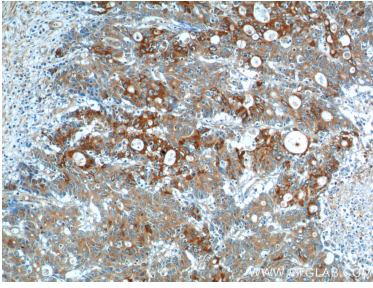
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

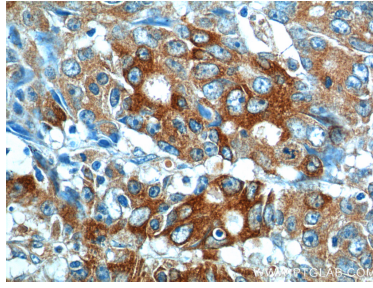
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13082-1-AP (IL-17A antibody at dilution of 1:200) (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13082-1-AP (IL-17A antibody at dilution of 1:200) (under 40x lens).