

### **IL-21 Polyclonal Antibody**

**Catalog # AP70510** 

#### **Specification**

### IL-21 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality WB
<u>O9HBE4</u>
Human, Mouse
Rabbit
Polyclonal

## **IL-21 Polyclonal Antibody - Additional Information**

**Gene ID 59067** 

**Other Names** 

IL21; Interleukin-21; IL-21; Za11

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

**Format** 

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions** 

-20°C

### IL-21 Polyclonal Antibody - Protein Information

Name IL21 (HGNC:6005)

#### **Function**

Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG(1) and IgG(3) in B-cells (By similarity). Implicated in the generation and maintenance of T follicular helper (Tfh) cells and the formation of germinal-centers. Together with IL6, control the early generation of Tfh cells and are critical for an effective antibody response to acute viral infection (By similarity). May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells (PubMed:<a href="http://www.uniprot.org/citations/11081504" target="\_blank">11081504</a>, PubMed:<a href="http://www.uniprot.org/citations/15178704" target="\_blank">15178704</a>, During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation (By similarity).

**Cellular Location** 

Secreted.



### **Tissue Location**

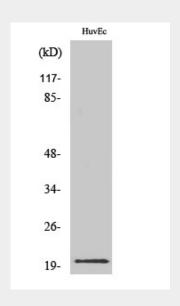
Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes

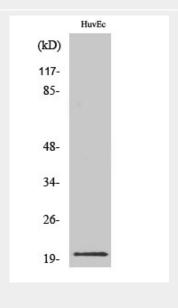
# **IL-21 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **IL-21 Polyclonal Antibody - Images**









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# IL-21 Polyclonal Antibody - Background

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