

**IL21 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13840b**

**Specification**

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**IL21 Antibody (C-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">O9HBE4</a>      |
| Other Accession   | <a href="#">NP_068575.1</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 18653                       |
| Antigen Region    | 104-132                     |

**IL21 Antibody (C-term) - Additional Information**

**Gene ID** 59067

**Other Names**

Interleukin-21, IL-21, Za11, IL21

**Target/Specificity**

This IL21 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-132 amino acids from the C-terminal region of human IL21.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

IL21 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**IL21 Antibody (C-term) - 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:[11081504](#), PubMed:[15178704](#)). During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation (By similarity).

**Cellular Location**

Secreted.

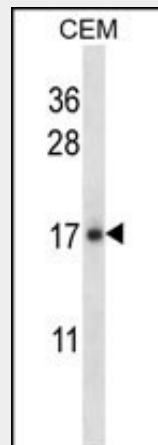
**Tissue Location**

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

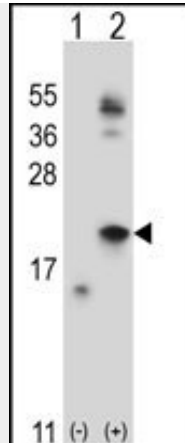
**IL21 Antibody (C-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**IL21 Antibody (C-term) - Images**

IL21 Antibody (C-term) (Cat. #AP13840b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the IL21 antibody detected the IL21 protein (arrow).



Western blot analysis of IL21 (arrow) using rabbit polyclonal IL21 Antibody (C-term) (Cat. #AP13840b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the IL21 gene.

### **IL21 Antibody (C-term) - Background**

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). 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. During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation.

### **IL21 Antibody (C-term) - References**

- Petukhova, L., et al. Nature 466(7302):113-117(2010)
- Yue, F.Y., et al. J. Immunol. 185(1):498-506(2010)
- Pallone, F., et al. Expert Rev Clin Immunol 6(4):537-541(2010)
- Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)
- Hollis-Moffatt, J.E., et al. Arthritis Res. Ther. 12 (3), R116 (2010) :