

**IL21 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11691****Specification**

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**IL21 Antibody (Internal) - Product Information**

Application	IHC
Primary Accession	<a href="#">O9HBE4</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18kDa KDa

**IL21 Antibody (Internal) - Additional Information****Gene ID** 59067**Other Names**

Interleukin-21, IL-21, Za11, IL21

**Target/Specificity**

synthetic peptide corresponding to 15 amino acids near the center of human IL-21 precursor

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

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

**IL21 Antibody (Internal) - 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

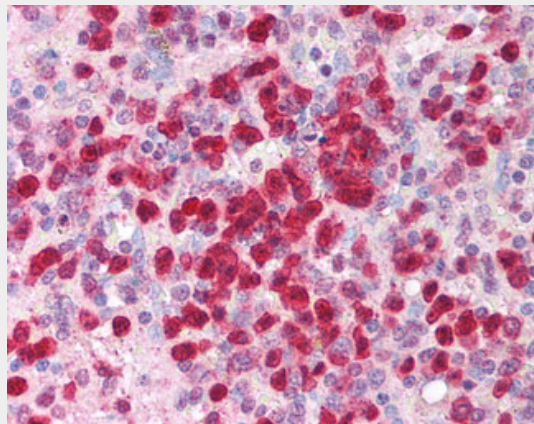
Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes

### IL21 Antibody (Internal) - 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 (Internal) - Images



Anti-IL21 antibody IHC of human spleen.

### IL21 Antibody (Internal) - 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 (Internal) - References

- Parrish-Novak J., et al. Nature 408:57-63(2000).  
Rahman M., et al. FEBS Lett. 581:4001-4009(2007).  
Hillier L.W., et al. Nature 434:724-731(2005).  
Strengell M., et al. J. Leukoc. Biol. 76:416-422(2004).  
Sivakumar P.V., et al. Immunology 112:177-182(2004).