

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

IL21 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	O9HBE4
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:11081504, PubMed:15178704). During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation (By similarity).

Cellular Location

Secreted.

Tissue Location

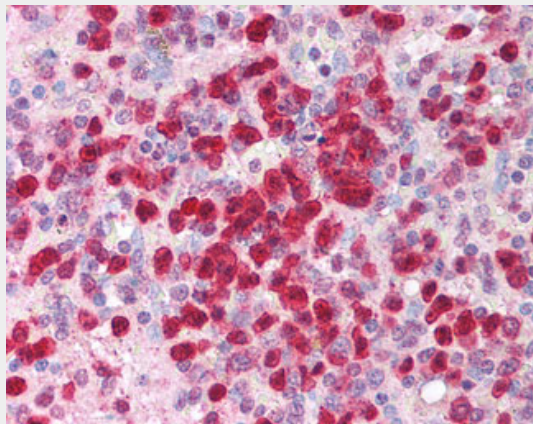
Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes

IL21 Antibody (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).