

IL-21 Polyclonal Antibody

Catalog # AP70510

Product Information

Application WB, E
Primary Accession O9HBE4

Reactivity Human, Mouse

HostRabbitClonalityPolyclonalCalculated MW18653

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. E~~N/A

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

azide.

Storage Conditions -20°C

Protein Information

Name IL21 (<u>HGNC:6005</u>)

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).

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Cellular Location Secreted.

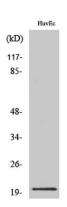
Tissue Location Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells,

B-cells, or monocytes

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.

Images



Western Blot analysis of various cells using IL-21 Polyclonal Antibody diluted at 1:500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.