

Product Name: IL-21 Rabbit Polyclonal Antibody
Catalog #: APRab12536



Summary

Production Name	IL-21 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	IL21
Alternative Names	IL21; Interleukin-21; IL-21; Za11
Gene ID	59067.0
SwissProt ID	Q9HBE4. The antiserum was produced against synthesized peptide derived from human IL21. AA range:91-140

Application

Dilution Ratio	WB 1:500-1:2000, ELISA 1:20000. Not yet tested in other applications.
Molecular Weight	18kDa

Background

This gene encodes a member of the common-gamma chain family of cytokines with immunoregulatory activity. The

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encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of this gene plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011],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). 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.,similarity:Belongs to the IL-15/IL-21 family.,tissue specificity:Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes.,

Research Area

Cytokine-cytokine receptor interaction;Jak_STAT;

Image Data



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

Note

For research use only.