

IL-21 Polyclonal Antibody

Catalog No: YT2327

Reactivity: Human; Mouse

Applications: WB;ELISA

Target: IL-21

Fields: >>Cytokine-cytokine receptor interaction;>>JAK-STAT signaling

pathway;>>Th17 cell differentiation;>>Inflammatory bowel disease

Gene Name: IL21

Protein Name: Interleukin-21

Human Gene ld: 59067

Human Swiss Prot

No:

Mouse Gene Id: 60505

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

IL21. AA range:91-140

Q9HBE4

Q9ES17

Specificity: IL-21 Polyclonal Antibody detects endogenous levels of IL-21 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/2



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 18kD

Cell Pathway: Cytokine-cytokine receptor interaction; Jak_STAT;

Background: This gene encodes a member of the common-gamma chain family of cytokines

with immunoregulatory activity. The 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: 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.,

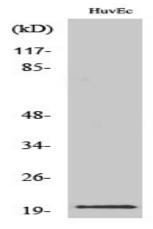
Subcellular Location:

Secreted.

Expression: Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-

cells, or monocytes.

Products Images



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