

IL21R Polyclonal Antibody

Catalog No :	YN1929
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	IL21R
Fields :	>>Cytokine-cytokine receptor interaction;>>JAK-STAT signaling pathway;>>Th17 cell differentiation;>>Inflammatory bowel disease
Gene Name :	IL21R NILR UNQ3121/PRO10273
Protein Name :	Interleukin-21 receptor (IL-21 receptor) (IL-21R) (Novel interleukin receptor) (CD antigen CD360)
Human Gene Id :	50615
Human Swiss Prot No :	Q9HBE5
Mouse Swiss Prot No :	Q9JHX3
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	IL21R Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 59kD

Cell Pathway : Cytokine-cytokine receptor interaction;Jak_STAT;

Background : The protein encoded by this gene is a cytokine receptor for interleukin 21 (IL21). It belongs to the type I cytokine receptors, and has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2010],

Function : domain:The box 1 motif is required for JAK interaction and/or activation.,domain:The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.,function:This is a receptor for interleukin-21.,similarity:Belongs to the type I cytokine receptor family. Type 4 subfamily.,similarity:Contains 1 fibronectin type-III domain.,subunit:Heterodimer with the common gamma chain. Associates with JAK1.,tissue specificity:Selectively expressed in lymphoid tissues. Most highly expressed in thymus and spleen.,

Subcellular Location : Membrane; Single-pass type I membrane protein.

Expression : Selectively expressed in lymphoid tissues. Most highly expressed in thymus and spleen.

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