

## IL21R Polyclonal Antibody

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

<b>Observed Band :</b>	59kD
<b>Cell Pathway :</b>	Cytokine-cytokine receptor interaction;Jak_STAT;
<b>Background :</b>	<p>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],</p>
<b>Function :</b>	<p>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.,</p>
<b>Subcellular Location :</b>	Membrane; Single-pass type I membrane protein.
<b>Expression :</b>	Selectively expressed in lymphoid tissues. Most highly expressed in thymus and spleen.

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