



IL21R Polyclonal Antibody

Catalog No	YP-Ab-06794
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	IL21R NILR UNQ3121/PRO10273
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IL21R;interleukin 21 receptor;IL-21 receptor;IL 21R;IL 21 receptor;IL21R NILR UNQ3121/PRO10273;Interleukin-21 receptor (IL-21 receptor) (IL-21R) (Novel interleukin receptor) (CD antigen CD360)
Observed Band	68-70 kDa
Calculated Molecular Weight	59 kDa
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Selectively expressed in lymphoid tissues. Most highly expressed in thymus and spleen.
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.,

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images