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IL21R Rabbit pAb

Catalog # AP97725

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9HBE5
Other Accession	Q9HBE5
Reactivity	Mouse
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59130
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IL-21R
Epitope Specificity	441-538/538
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the type I cytokine receptor family. Type 4 subfamily. Contains 2 fibronectin type-III domains.
SUBUNIT	Heterodimer with the common gamma subunit. Associates with JAK1.
Post-translational modifications	C-mannosylated at Trp-214 in the WSXWS motif, the sugar chain makes extensive hydrogen bonds with Asn-73 sugar, and bridges the two fibronectin domains transforming the V-shaped receptor into an A-frame.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	50615
Other Names	CD360; IMD56; NILR; IL21R_HUMAN; IL21R; IL-21 receptor; IL-21R; Novel interleukin receptor; IL21R_MOUSE; Lymphocyte receptor beta (LR-beta); Novel cytokine receptor 8 (NR8); Q5EBB1_RAT; interleukin 21 receptor
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	IL21R
Synonyms	NILR
Function	This is a receptor for interleukin-21.
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Selectively expressed in lymphoid tissues. Most highly expressed in thymus and spleen

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.