

bs-2622R**[Primary Antibody]****IL21R Rabbit pAb****BioSS**
ANTIBODIES

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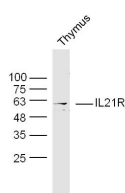
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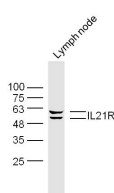
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— DATASHEET —

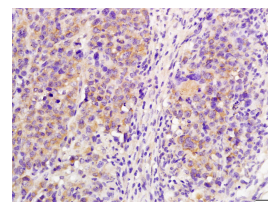
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 50615	SWISS: Q9HBE5	IHC-F (1:100-500)
Target: IL21R		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human IL-21R: 441-538/538.		Reactivity: Mouse (predicted: Human, Rat, Cow)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 57 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cell membrane
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]		

— VALIDATION IMAGES —

Sample: Thymus (Mouse) Lysate at 40 ug
 Primary: Anti- IL21R (bs-2622R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD
 Observed band size: 55 kD



Sample: Lymph node (Mouse) Lysate at 40 ug
 Primary: Anti- IL21R (bs-2622R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD
 Observed band size: 55 kD



Tissue/cell: mouse lymphoma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-IL21R Polyclonal Antibody, Unconjugated (bs-2622R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

— SELECTED CITATIONS —

- **[IF=3.06]** Guan, Li-juan, et al. "Increased IL-21/IL-21R expression and its proinflammatory effects in autoimmune thyroid disease." Cytokine 72.2 (2015): 160-165. IHC ;Human. 25647271