

**bs-24840R****[ Primary Antibody ]****IL7R Rabbit pAb****BioSS**  
**ANTIBODIES**

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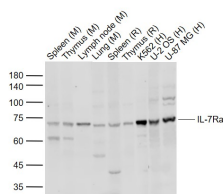
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 3575 <b>Target:</b> IL7R <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human IL-7Ra : 401-459/459. < Cytoplasmic > <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> The protein encoded by this gene is a receptor for interleukine 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukine 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in the V(D)J recombination during lymphocyte development. This protein is also found to control the accessibility of the TCR gamma locus by STAT5 and histone acetylation. Knockout studies in mice suggested that blocking apoptosis is an essential function of this protein during differentiation and activation of T lymphocytes. The functional defects in this protein may be associated with the pathogenesis of the severe combined immunodeficiency (SCID).	<b>Isotype:</b> IgG <b>SWISS:</b> P16871	<b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog, Horse) <b>Predicted MW.:</b> 50 kDa <b>Subcellular Location:</b> Secreted ,Cell membrane
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**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Spleen tissue lysates  
Lane 2: Mouse Thymus tissue lysates Lane 3:  
Mouse Lymph node tissue lysates Lane 4: Mouse  
Lung tissue lysates Lane 5: Rat Spleen tissue  
lysates Lane 6: Rat Thymus tissue lysates Lane 7:  
Human K562 cell lysates Lane 8: Human U-2 OS  
cell lysates Lane 9: Human U-87 MG cell lysates  
Primary: Anti-IL-7Ra (bs-24840R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-  
Rabbit IgG at 1/20000 dilution Predicted band  
size: 50 kD Observed band size: 70 kD

**— SELECTED CITATIONS —**

- **[IF=1.3]** Wenwen Zhu. et al.Analyzing gene-based apoptotic biomarkers in insomnia using bioinformatics.MEDICINE.2025 Jan 17;104(3):e40965. Western blot ;. 39833072