

**bs-1827R****[ Primary Antibody ]****IL-11 Rabbit pAb****Bioss**  
**ANTIBODIES**

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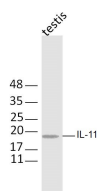
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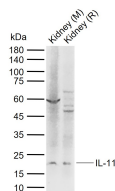
400-901-9800

**— DATASHEET —**

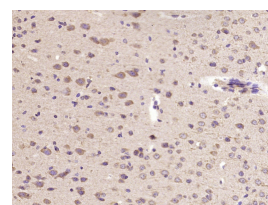
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 3589	<b>SWISS:</b> P20809	
<b>Target:</b> IL-11		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human IL-11: 22-120/199.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Cow, Dog, GuineaPig)
<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> Interleukin 11 is a pleiotropic cytokine produced by mesenchymal-derived adherent cells. IL11 shares many functions of IL6 and LIF, including potentiation of megakaryocyte activity, enhancement of human myeloma cell proliferation, and enhancement of hepatic acute phase protein production. Interleukin 11 directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells, and induces megakaryocyte maturation resulting in increased platelet production. Clinically it is used to prevent severe thrombocytopenia and the reduction of the need for platelet transfusion following myelosuppressive chemotherapy.		
		<b>Predicted MW.:</b> 19 kDa
		<b>Subcellular Location:</b> Secreted

**— VALIDATION IMAGES —**

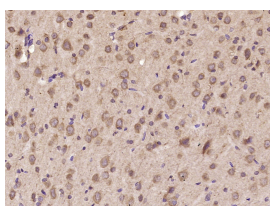
Sample: Testis (Mouse) Lysate at 30 ug Primary: Anti- IL-11 (bs-1827R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/10000 dilution Predicted band size: 19 kD  
Observed band size: 19 kD



Sample: Lane 1: Mouse Kidney tissue lysates  
Lane 2: Rat Kidney tissue lysates Primary: Anti-IL-11 (bs-1827R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 19 kDa Observed band size: 19 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (IL-11) Polyclonal Antibody, Unconjugated (bs-1827R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3%

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

BSA) at RT for 30min; Antibody incubation with (IL-11) Polyclonal Antibody, Unconjugated (bs-1827R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

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## — SELECTED CITATIONS —

- **[IF=5.555]** Pengsen Wu. et al. IL-11 Is Elevated and Drives the Profibrotic Phenotype Transition of Orbital Fibroblasts in Thyroid-Associated Ophthalmopathy. Front Endocrinol. 2022; 13: 846106 IHC ;Human. 35273577
- **[IF=2.376]** Lifei Li. et al. GnRH agonist treatment regulates IL-6 and IL-11 expression in endometrial stromal cells for patients with HRT regiment in frozen embryo transfer cycles. Reprod Biol. 2022 Jun;22:100608 WB ;Human. 35151984