

**bs-21592R****[ Primary Antibody ]****FOXD2 Rabbit pAb****Bioss**  
**ANTIBODIES**

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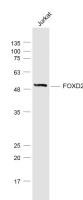
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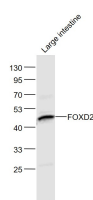
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 2306 <b>Target:</b> FOXD2 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human FOXD2: 71-170/495. <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 FOX family of transcription factors share a common DNA binding domain termed a winged-helix or forkhead domain. Many FOX proteins play important roles in development, metabolism, cancer and aging. FOXD1 (also designated Brain Factor 2 or BF-2) is involved in regulating inflammation as well as kidney and retinal development. FOXD1 regulates the activity of NF-AT and NFkB. Deficiency of FOXD1 results in multiorgan, systemic inflammation, exaggerated Th cell-derived cytokine production, and T cell proliferation in autologous MLRs. In kidneys, FOXD1 controls the production of signals required for the normal transition of induced mesenchyme into tubular epithelium and full growth and branching of the collecting system. Deletion of FOXD1 results in renal abnormalities. FOXD2 acts as a modulator of T cell activation.	<b>Isotype:</b> IgG <b>SWISS:</b> O60548 <b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit, Pig, Cow) <b>Predicted MW.:</b> 49 kDa <b>Subcellular Location:</b> Nucleus
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**— VALIDATION IMAGES —**

Sample: Jurkat (Human) Cell Lysate at 30 ug  
Primary: Anti-FOXD2 (bs-21592R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 49 kD



Sample: Large intestine (Mouse) Lysate at 40 ug  
Primary: Anti- FOXD2 (bs-21592R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 49 kD