

**bs-2774R****[ Primary Antibody ]****prox1 Rabbit pAb****BioSS**  
**ANTIBODIES**

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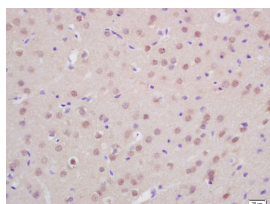
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 5629 <b>Target:</b> prox1 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human prox-1: 151-250/737. <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> Prox1 is a prospero-related homeobox gene. Its expression pattern suggests it has a role in a variety of embryonic tissues and may play a fundamental role in early development of the CNS. It may regulate gene expression and the development of postmitotic undifferentiated young neurons. Subcellular Location : Nucleus.	<b>Isotype:</b> IgG <b>SWISS:</b> Q92786	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Rat (predicted: Human, Mouse, Rabbit, Pig, Cow, Dog, Horse) <b>Predicted MW.:</b> 81 kDa <b>Subcellular Location:</b> Nucleus
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**— VALIDATION IMAGES —**

Tissue/cell: rat brain 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-prox1 Polyclonal Antibody, Unconjugated(bs-2774R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=12.5]** Tie-Ning Zhang. et al. Endothelial CLEC5A drives barrier dysfunction and vascular leakage responsible for lung injury in bacterial pneumonia and sepsis. SCI ADV. 2025 Jun;11(24) IF ;Mouse. 40498836
- **[IF=1.61]** Usui, Tatsuya, et al. "Establishment of a novel three - dimensional primary culture model for hippocampal neurogenesis." Physiological Reports 5.12 (2017): e13318. IF ;Mouse. doi:10.14814/phy2.13318
- **[IF=1.918]** Gao,et al.High Expression of Prospero-Related Homeobox-1 (PROX1) Is Associated With Poor Prognosis in Patients With Salivary Adenoid Cystic Carcinoma.(2018) Journal of Oral and Maxillofacial Surgery. . IHC ;Human. 29406257
- **[IF=1.347]** Teng,et al.Anti-inflammatory effect of tranexamic acid against trauma-hemorrhagic shock-induced acute lung injury in rats.(2018) Experimental Animals. . WB ;Rat. 29398669

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