bs-2774R **[Primary Antibody]**

prox1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5629 **SWISS:** Q92786

Target: prox1

Immunogen: KLH conjugated synthetic peptide derived from human prox-1: 151-250/737.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

Background: 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.

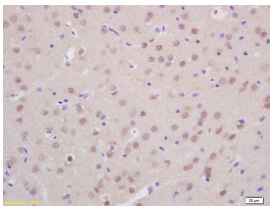
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Dog, Horse)

Predicted MW.: 81 kDa

Subcellular Location: Nucleus

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=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