

**bs-5784R****[ Primary Antibody ]****BioSS**  
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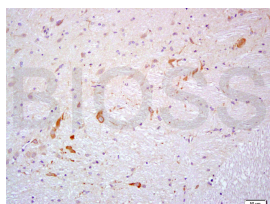
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**PROK2 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 60675 <b>Target:</b> PROK2 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human PROK2/Prokineticin 2: 28-100/129. <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> Prokineticin 2 is known to regulate many different biological functions, including neurogenesis, smooth muscle contractility, angiogenesis and circadian rhythm. In serving the latter role, prokineticin 2 functions as an output molecule from the suprachiasmatic nucleus (SCN) of the hypothalamus, that transmits behavioral rhythms, but may also function locally within the SCN to synchronize output. Prokineticin 2 expression is induced by CLOCK and BMAL1 heterodimers and light, and is inhibited by period genes (PER1, PER2 and PER3) and cryptochrome genes (CRY1 and CRY2). Expression is reported in the SCN and among a few other discrete brain areas, including the islands of Calleja, media I preoptic area of the hypothalamus and the shell of the nucleus accumbens as well as in the testis, prostate and, at lower levels, in the small intestine.	<b>Isotype:</b> IgG <b>SWISS:</b> Q9HC23 <b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Human, Rat (predicted: Mouse, Pig, Horse) <b>Predicted MW.:</b> 11 kDa <b>Subcellular Location:</b> Secreted
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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-PROK2/Prokineticin 2 Polyclonal Antibody, Unconjugated(bs-5784R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=5.1]** Wang Wenting. et al. Prokineticin-2 Participates in Chronic Constriction Injury-Triggered Neuropathic Pain and Anxiety via Regulated by NF-κB in Nucleus Accumbens Shell in Rats. MOL NEUROBIOL. 2023 Nov;;1-20 WB ;Rat. 37934398