
PROK2 Rabbit pAb

Catalog Number: bs-5784R

Target Protein: PROK2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Reactivity: Human, Rat (predicted:Mouse, Pig, Horse)

Predicted MW: 11 kDa

Entrez Gene: 60675

Swiss Prot: Q9HC23

Source: KLH conjugated synthetic peptide derived from human PROK2/Prokineticin 2: 28-100/129.

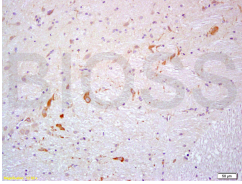
Purification: affinity purified by Protein A

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: 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, medial 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.

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

PRODUCT SPECIFIC PUBLICATIONS

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