

bs-12127R**[Primary Antibody]****SCN7A Rabbit pAb****Bioss**
ANTIBODIES

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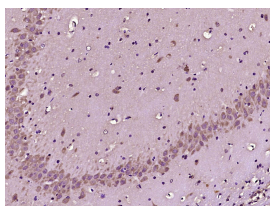
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Rat (predicted: Human, Mouse, Pig, Sheep, Cow, Horse) Predicted MW.: 193 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 6332	SWISS: Q01118	
Target: SCN7A		
Immunogen: KLH conjugated synthetic peptide derived from human SCN7A: 1561-1582/1682.		
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: Voltage-gated sodium channels are selective ion channels that regulate the permeability of sodium ions in excitable cells. During the propagation of an action potential, sodium channels allow an influx of sodium ions, which rapidly depolarize the cell. The three glycoproteins that comprise the voltage-gated sodium channel proteins include a pore-forming Beta subunit, a noncovalently associated Beta 1 subunit and a disulfide-linked Beta 2 subunit. Na ⁺ CP type VII Alpha (Sodium channel protein type 7 subunit alpha), also known as SCN6A, Sodium channel protein cardiac and skeletal muscle subunit alpha and putative voltage-gated sodium channel subunit alpha Nax, is a 1682 amino acid multi-pass membrane protein that belongs to the sodium channel family. Primarily expressed in uterus and heart, Na ⁺ CP type VII Alpha may function in the regulation of salt intake behavior and central sensing of body-fluid sodium levels.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SCN7A) Polyclonal Antibody, Unconjugated (bs-12127R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.3]** Sandra Salgado-Mozo. et al. NaX channel is a physiological [Na⁺] detector in oxytocin and vasopressin releasing magnocellular neurosecretory cells of the rat supraoptic nucleus. J NEUROSCI. 2023 Oct;; ICC ;Rat. 37783507

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.