

bs-4904R**[Primary Antibody]****SGK1 Rabbit pAb****Bioss**
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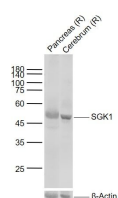
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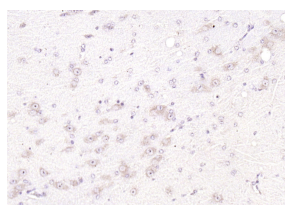
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— DATASHEET —

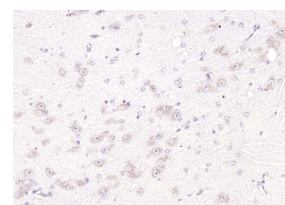
Host: Rabbit Clonality: Polyclonal GeneID: 6446 Target: SGK1 Immunogen: KLH conjugated synthetic peptide derived from human SGK1: 301-400/431. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: SGK1 is a protein kinase that plays an important role in cellular stress response. SGK1 activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. Sustained high levels of SGK1 and activity may contribute to conditions such as hypertension and diabetic nephropathy. This protein also mediates cell survival signals, as it has been shown to phosphorylate and negatively regulate the pro apoptotic FOXO3A protein. Ser 422 is a critical site on the protein and may be involved in its activation.	Isotype: IgG SWISS: O00141	Applications: WB (1:500-2000) IHC-P (1:400-800) IHC-F (1:400-800) IF (1:100-500) ELISA (1:5000-10000) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Chicken, Horse) Predicted MW.: 49 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Sample: Lane 1: Rat Pancreas tissue lysates Lane 2: Rat Cerebrum tissue lysates Primary: Anti-SGK1 (bs-4904R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kDa Observed band size: 49 kDa



Paraformaldehyde-fixed, paraffin embedded (Rat bladder); 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 (SGK1) Polyclonal Antibody, Unconjugated (bs-4904R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (SGK1) Polyclonal Antibody, Unconjugated (bs-4904R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=3.457]** Wang N et al. Fibroblast growth factor 21 improves glucose homeostasis partially via down-regulation of Na⁺-d-glucose cotransporter SGLT1 in the small intestine.(2019) Biomedicine & Pharmacotherapy, 109, 1070–1077. WB ;Mouse. 30551357
- **[IF=3.288]** Chai D et al. β2-microglobulin has a different regulatory molecular mechanism between ER⁺ and ER⁻ breast cancer with HER2.BMC Cancer. 2019 Mar 12;19(1):223. WB ;Human. 30866857