bs-3395R

[Primary Antibody]

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phospho-SGK1 (Ser78) Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 6446 SWISS: 000141

Target: SGK1 (Ser78)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

SGK1 around the phosphorylation site of Ser78: PP(p-S)PS.

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.

Applications: WB (1:500-2000)

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

Reactivity: Human, Mouse, Rat

(predicted: Pig, Cow, Dog,

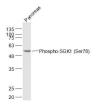
Horse)

Predicted 49 kDa MW.:

Subcellular Cell membrane, Cytoplasm

Location: , Nucleus

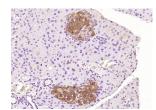
VALIDATION IMAGES



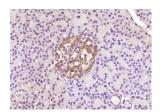
Sample: Pancreas (Mouse) Lysate at 40 ug Primary: Anti-Phospho-SGK1 (Ser78) (bs-3395R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted hand size: 49 kD Observed hand size: 50 kD



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Cerebrum tissue lysates Primary: Anti-Phospho-SGK1 (Ser78) (bs-3395R) 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 (mouse pancreas); 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 (Phospho-SGK1 (Ser78)) Polyclonal Antibody, Unconjugated (bs-3395R) 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 (rat pancreas); 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 (Phospho-SGK1 (Ser78))
Polyclonal Antibody, Unconjugated (bs-3395R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

- SELECTED CITATIONS -

• [IF=1.7] Kumiko Taguchi. et al. Esaxerenone Improves Vascular Endothelial Dysfunction by Reducing Serum and Glucocorticoid-Regulated Kinase 1 Activity and Enhancing the Akt Pathway in Type 2 Diabetic Mice. BIOL PHARM BULL. 2025 Apr;48(4):422-431 WB ;Mouse. 40268465