

Phospho-SGK1 (Ser78) Rabbit pAb

Catalog Number: bs-3395R

Target Protein: Phospho-SGK1 (Ser78)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (2ug/Test), ICC/IF (1:25)

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

Predicted MW: 49 kDa

Entrez Gene: 6446

Swiss Prot: O00141

Source: KLH conjugated Synthesised phosphopeptide derived from human SGK1 around the phosphorylation site of Ser78: PP(p-S)PS.

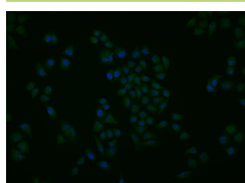
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

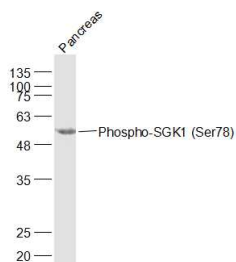
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

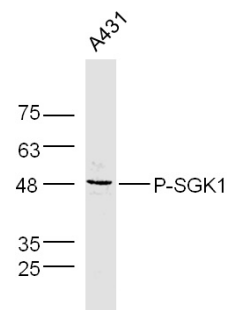
VALIDATION IMAGES



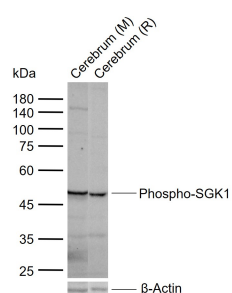
Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-SGK1 (Ser78)) polyclonal Antibody, Unconjugated (bs-3395R) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



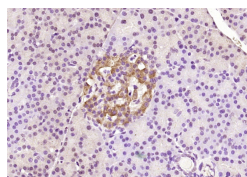
Sample: Pancreas (Mouse) Lysate at 40 ug Primary: Anti-Phospho-SGK1 (Ser78) (bs-3395R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 50 kD



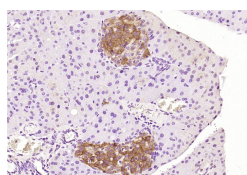
Sample: A431 lysate at 30 ug Primary: Rabbit Anti-Phospho-SGK1 (bs-3395R) at 1:300 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 49 kD



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 (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.



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.