

**bsm-33275M****[ Primary Antibody ]****SGK1 Mouse mAb****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**DATASHEET****Host:** Mouse**Clonality:** Monoclonal**GeneID:** 6446**Target:** SGK1**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml

**Storage:** Size : 50ul/100ul/200ul  
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  
Size : 200ug (PBS only)  
0.01M PBS  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

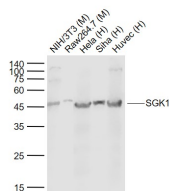
**Background:** SGK1 is a protein kinase that plays an important role in cellular stress response. SGK1 activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. Sustained 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**CloneNo.:** 5E11**SWISS:** O00141**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)

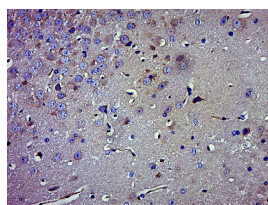
**Reactivity:** Human, Mouse, Rat  
(predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse)

**Predicted MW.:** 49 kDa

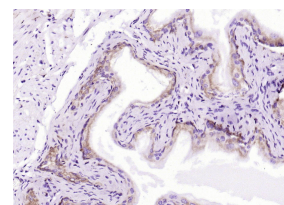
**Subcellular Location:** Cell membrane ,Cytoplasm ,Nucleus

**VALIDATION IMAGES**

Sample: Lane 1: NIH/3T3 (Mouse) Cell Lysate at 30 ug  
Lane 2: Raw264.7 (Mouse) Cell Lysate at 30 ug  
Lane 3: Hela (Human) Cell Lysate at 30 ug  
Lane 4: Siha (Human) Cell Lysate at 30 ug  
Lane 5: Huvec (Human) Cell Lysate at 30 ug  
Primary: Anti-SGK1 (bsm-33275M) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution  
Predicted band size: 45-60 kD  
Observed band size: 47 kD



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 (bsm-33275M-5E11) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse 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) Monoclonal Antibody, Unconjugated (bsm-33275M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.