bs-6475R

[Primary Antibody]

SGK3 Rabbit pAb

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– DATASHEET ————		400 501 5000
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat
GeneID: 100533105	SWISS: Q96BR1	,
Target: SGK3		
Immunogen: KLH conjugated synthetic peptide derived from human SGK3: 51-150/496.		Predicted MW.: ^{57 kDa}
Purification: affinity purified by I	Protein A	Subsellular
Concentration: 1mg/ml		Location: Cytoplasm
Storage: 0.01M TBS (pH7.4) v Glycerol. Shipped at 4°C. Sto freeze/thaw cycles.	vith 1% BSA, 0.02% Proclin300 and 50% re at -20°C for one year. Avoid repeated	
Background: Serine/threonine-p serum/glucocortico protein kinase fami regulated kinase pr family. SGK1, a hon particular potassiuu found to also be inv three of these prote epithelial transport mediator of IL-3 de to the early endoso widely expressed p liver, pancreas, bra residue Ser 486 lead	rotein kinase Sgk3 (SGK3), also designated bid regulated kinase 3, belongs to the Ser/Thi ly of proteins. The serum- and glucocorticoid oteins are closely related to the Akt protein nolog of SGK3, activates ion channels, in m (K+) channels. SGK2 and SGK3 have been rolved in this activation process, making all bins important regulators for cell proliferation and neuromuscular excitability. SGK3 acts a bendent survival signals in the cell. It localize me and in vesicle-like structures. SGK3 is a rotein, but it is primarily detected in kidney, in and heart. Phosphorylation of SGK3 at ds to an increase in SGK3 activation.	n, s a ss

- VALIDATION IMAGES -



Sample: Lane 1: Mouse Pancreas tissue lysates Lane 2: Mouse Kidney tissue lysates Lane 3: Mouse Liver tissue lysates Lane 4: Mouse Cerebrum tissue lysates Lane 5: Rat Pancreas tissue lysates Lane 6: Rat Cerebrum tissue lysates Lane 7: Rat Breast tissue lysates Lane 8: Human MCF-7 cell lysates Lane 9: Human THP-1 cell lysates Lane 10: Human A431 cell lysates Primary: Anti-SGK3 (bs-6475R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 57 kD Observed band size: 57 kD

245	
100	
75-	
63 —	— sg
48	
40	
35 —	
25-	

Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti- SGK3 (bs-6475R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 57 kD Observed band size: 57 kD

- SELECTED CITATIONS -

- [IF=5.5] Zhang et al. Epidermal Growth Factor Promotes Proliferation and Migration of Follicular Outer Root Sheath Cells via Wnt/β-Catenin Signaling. (2016) Cell.Physiol.Biochem. 39:360-70 IHC ;Human. 27352380
- [IF=4.65] Zhang, H., et al. "Epidermal Growth Factor Promotes Proliferation and Migration of Follicular Outer Root

Sheath Cells via Wnt/β-Catenin Signaling."Cellular Physiology and Biochemistry 39.1 (2016): 360-370. WB ;="Human". 27352380

- [IF=4.858] Qianyu Huo. et al. Free CA125 promotes ovarian cancer cell migration and tumor metastasis by binding Mesothelin to reduce DKK1 expression and activate the SGK3/FOXO3 pathway. Int J Biol Sci. 2021; 17(2): 574–588 WB ;MOUSE. 33613114
- [IF=3.699] Zijian Ye. et al. MiR-92b-3p inhibits proliferation and migration of C2C12 cells. Cell Cycle. 2020;19(21):2906-2917 WB ;MOUSE. 33043788
- [IF=3.251] Yanping Jian. et al. Upregulation of Spinal miR-155-5p Contributes to Mechanical Hyperalgesia by Promoting Inflammatory Activation of Microglia in Bone Cancer Pain Rats. LIFE-BASEL. 2022 Sep;12(9):1349 IF ;Rat. 10.3390/life12091349