SGK3 Antibody



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Applications: W, IP	Reactivity: H M	Sensitivity: Transfected Only	MW (kDa): 50, 61	Source/Isotype: Rabbit	UniProt ID: #Q96BR1	Entrez-Gene Id 23678
Product Usage Information	•	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		SGK3 Antibody detects transfected levels of total SGK3 protein.				
Species predicted to react based on 100% sequence homology		Rat				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro84 of human SGK3. Antibodies are purified by peptide affinity chromatography.				
Background		SGK is rapidly induced is stimulating hormone, of HGF PI3K-dependent pand activation of SGK heregulation (4-6). SGK alchannels, suggesting it excitability, and renal suproteasome degradation SGK3 has been shown to stimulating suggestions.	in response to a vosmotic shock, an athways and by in as been implicate so plays an impores involvement in todium excretion (on (7).	se (SGK) is a serine/threcariety of stimuli, includind mineralocorticoids. SG tegrin-mediated PI3K-ind in activating the modutant role in activating cele regulation of process (2). SGK is negatively regums signaling molecule in peen suggested to be an	g serum, glucocort K activation can be dependent pathwa dation of anti-apop rtain potassium, so ses such as cell surv dated by ubiquitina the PI3K pathway.	icoid, follicle accomplished via ys (2,3). Induction totic and cell cycle dium, and chloride vival, neuronal ition and
Background References		 Webster, M.K. et al. (1993) <i>Mol Cell Biol</i> 13, 2031-40. Kobayashi, T. and Cohen, P. (1999) <i>Biochem J</i> 339 (Pt 2), 319-28. Park, J. et al. (1999) <i>EMBO J</i> 18, 3024-33. Brunet, A. et al. (2001) <i>Mol Cell Biol</i> 21, 952-65. Mikosz, C.A. et al. (2001) <i>J Biol Chem</i> 276, 16649-54. Hayashi, M. et al. (2001) <i>J Biol Chem</i> 276, 8631-4. Brickley, D.R. et al. (2002) <i>J Biol Chem</i> 277, 43064-70. Vasudevan, K.M. et al. (2009) <i>Cancer Cell</i> 16, 21-32. 				
Species Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western blot).				
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				

Applications Key

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: Human M: Mouse

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