

£12103

SGK1 (D27C11) Rabbit mAb



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Applications: W, W-S, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 45-60	Source/Isotype: Rabbit IgG	UniProt ID: #O00141	Entrez-Gene Id: 6446
Product Usage Information		Application Western Blotting Simple Western™ Immunoprecipitation			Dilution 1:1000 1:10 - 1:50 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		SGK1 (D27C11) Rabbit mAb recognizes endogenous levels of total SGK1 protein. This antibody does not cross-react with SGK2 or SGK3.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly420 of human SGK1 protein.				
Background		SGK is rapidly induced stimulating hormone, HGF PI3K-dependent pand activation of SGK regulation (4-6). SGK a channels, suggesting excitability, and renal proteasome degradat In addition to its mem	l in response to a vosmotic shock, an pathways and by ir has been implicated by an imporits involvement in sodium excretion (ion (7).	se (SGK) is a serine/threcariety of stimuli, includind mineralocorticoids. SG tegrin-mediated PI3K-ind in activating the modutant role in activating celle regulation of process (2). SGK is negatively regulations, SGK1 IPAR, PSD95, Tau, NF-KB,	ig serum, glucocort K activation can be dependent pathwa ilation of anti-apop rtain potassium, so ses such as cell surv ulated by ubiquitina also regulates a bro	icoid, follicle accomplished via ys (2,3). Induction totic and cell cycle dium, and chloride vival, neuronal ation and
Background References		 Webster, M.K. et al. (1993) Mol Cell Biol 13, 2031-40. Kobayashi, T. and Cohen, P. (1999) Biochem J 339 (Pt 2), 319-28. Park, J. et al. (1999) EMBO J 18, 3024-33. Brunet, A. et al. (2001) Mol Cell Biol 21, 952-65. Mikosz, C.A. et al. (2001) J Biol Chem 276, 16649-54. Hayashi, M. et al. (2001) J Biol Chem 276, 8631-4. Brickley, D.R. et al. (2002) J Biol Chem 277, 43064-70. Lang, F. et al. (2009) Expert Opin Ther Targets 13, 1303-11. Lang, F. et al. (2010) J Physiol 588, 3349-54. 				
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 W-S: Simple Western [™] IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human				

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