PASK (C70B2) Rabbit mAb				
	Orders	: 877-616-CELL (2355) orders@cellsignal.com		
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Applications: W, IP	Reactivity: H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 170	Source/Isotype: Rabbit IgG	UniProt ID: #Q96RG2	Entrez-Gene Id: 23178			
Product Usage Information	•	<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50				
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		PASK (C70B2) Rabbit mAb detects endogenous levels of total PASK protein.							
Source / Purifi	<b>Irce / Purification</b> Monoclonal antibody is produced by immunizing animals with a synthetic peptide correspondi sequence of mouse PASK.					prresponding to the			
Background		PASK is a serine/three up-regulated by autop <i>in cis</i> by one of the PA inhibits two enzymes glycogen synthase, re increased glucose leve is essential for the glu regulation of genes ir glucose-stimulated in from obesity and insu PASK functions as an	nine kinase that co phosphorylation of S domains (1). Stuc required for glycog sulting in the decre els activate PASK ac ucose-stimulated ex nvolved in pancreati sulin secretion in pa ilin resistance wher important metaboli	ntains two PAS (Per-Arm the activation loop withi lies found that the yeast en biosynthesis: UDP-gl ease of carbohydrate sto tivity and enhance its ex pression of preproinsuli tc $\beta$ -cell functions (3). PA ancreatic $\beta$ -cells (4). The they are fed a high-fat of c sensor in various cells	t-Sim) domains (1). J in its catalytic doma homolog of PASK p ucose pyrophospho rage (2). Further stu pression in pancrea n and Pdx1, sugges SK was shown to be absence of PASK als diet (4). These findir (4).	Its kinase activity is in and is inhibited phosphorylates and orylase and udies showed that atic $\beta$ -cells (3). PASK iting its role in the critical for so protects animals ngs suggest that			
Background Re	eferences	1. Rutter, J. et al. (2001 2. Rutter, J. et al. (2002 3. da Silva Xavier, G. e 4. Hao, H.X. et al. (200	1) Proc Natl Acad Sc 2) Cell 111, 17-28. t al. (2004) Proc Nat 17) Proc Natl Acad S	<i>i USA</i> 98, 8991-6. <i>:  Acad Sci USA</i> 101, 831 <u>9</u> <i>ci USA</i> 104, 15466-71.	)-24.				
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).			
Western Blot E	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 K	еу	W: Western Blotting I	P: Immunoprecipita	ation					
Cross-Reactivi	ty Key	H: Human M: Mouse	<b>R:</b> Rat						
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