e at -20C	Rictor Antibody			
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
Ot		Support:	877-678-TECH (8324)	
#2140		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers	Massachusetts 01923 USA	

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 200	Source: Rabbit	UniProt ID: #Q6R327	Entrez-Gene Id: 253260		
Product Usage Information	•	pplication estern Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity / Sensi	itivity Rict	Rictor Antibody detects endogenous levels of total rictor protein.						
Source / Purificati	resi	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys1125 of human rictor. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	mar grov com rapa Aktz kno	Cell growth is a fundamental biological process whereby cells accumulate mass and increase in size. The mammalian TOR (mTOR) pathway regulates growth by coordinating energy and nutrient signals with growth factor-derived signals (1). mTOR is a large protein kinase with two different complexes. One complex contains mTOR, G β L and raptor, which is a target of rapamycin. The other complex, insensitive to rapamycin, includes mTOR, G β L, Sin1, and rictor (1). The mTOR-rictor complex phosphorylates Ser473 of Akt/PKB <i>in vitro</i> (2). This phosphorylation is essential for full Akt/PKB activation. Furthermore, an siRNA knockdown of rictor inhibits Ser473 phosphorylation in 3T3-L1 adipocytes (3). This complex has also been shown to phosphorylate the rapamycin-resistant mutants of S6K1, another effector of mTOR (4).						
Background Refe	2. S 3. H	arbassov, D.D. et al. arbassov, D.D. et al. Iresko, R.C. and Mue Ii, S.M. and Sabatini,	(2005) <i>Science</i> 30 eckler, M. (2005) <i>J.</i>	07, 1098-1101. Biol. Chem. 280, 40				
Species Reactivity	y Spec	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buff	••	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	WB	WB: Western Blotting						
Cross-Reactivity F	X : X		B: bovine Dg: dog	Pg: pig Sc: S. cere	Mi: mink C: chicken Dr visiae Ce: C. elegans H	-		
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