Phospho-Sin1 (Thr86) (D4U9L) Rabbit mAb			Cell Signaling TECHNOLOGY®		
Stor				Orders:	877-616-CELL (2355) orders@cellsignal.com
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#			3 Trask La	ane   Danvers   Mas	ssachusetts   01923   USA
For Research Use Only. Not for U	lse in Diagnostic Proce	dures.			
Applications: Reactivi WB, IP H M	ty: Sensitivity: Endogenous	<b>MW (kDa):</b> 78, 74	Source/Isotype: Rabbit IgG	UniProt ID: #Q9BPZ7	Entrez-Gene Id: 79109
Product Usage Information	Application			Dilution	
	Western Blotting			1:1000	
	Immunoprecipitation			1:50	
Storage	Supplied in 10 mM sodiu 0.02% sodium azide. Sto				rcerol and less than
Specificity / Sensitivity	Phospho-Sin1 (Thr86) (D phosphorylated at Thr86.	,	nAb recognizes endogen	ous levels of Sin1 p	rotein only when
Species predicted to react based on 100% sequence homology:	Rat				
Source / Purification	Monoclonal antibody is p residues surrounding pho				ptide corresponding to
Background	Cell growth is a fundame mammalian TOR (mTOR growth factor-derived sig complexes. The mTOR c mTORC2, insensitive to p phosphorylates Ser473 c Furthermore, rictor siRN/ has also been shown to p (4). In addition, phosphor mTORC2 in adipocytes c	e) pathway regul nals (1). mTOR complex 1 (mTO rapamycin, inclu of Akt/PKB <i>in vitt</i> A knockdown inf phosphorylate the rylation of Sin1 at the second second second condition of Sin1 at the second second second second second condition of Sin1 at the second se	ates growth by coordinatis a large protein kinase RC1), a target of rapamy ides mTOR, GβL, Sin1, a ro (2). This phosphorylati hibits Ser473 phosphoryl ne rapamycin-resistant m at Thr86 by Akt/PKB was	ting energy and nutri that is a componen ycin, contains mTOF and rictor (1). The m ion is essential for fu ation in 3T3-L1 adip nutants of S6K1, and	rient signals with t of two different R, GβL, and raptor. ITORC2 complex ull Akt/PKB activation. Docytes (3). mTORC2 Dother effector of mTOR
Background References	<ol> <li>Sarbassov, D.D. et al.</li> <li>Sarbassov, D.D. et al.</li> <li>Hresko, R.C. and Mue</li> <li>Ali, S.M. and Sabatini,</li> <li>Humphrey, S.J. et al. (</li> </ol>	(2005) <i>Science</i> ckler, M. (2005) D.M. (2005) <i>J</i> E	307, 1098-101. J Biol Chem 280, 40406 Biol Chem 280, 19445-8.		
Species Reactivity	Species reactivity is deter	mined by testing	g in at least one approve	d application (e.g., v	western blot).
Western Blot Buffer	IMPORTANT: For western milk, 1X TBS, 0.1% Tween		-		5% w/v nonfat dry
Applications Key	WB: Western Blotting IP:	Immunoprecipi	tation		
Cross-Reactivity Key	H: human M: mouse R: ra X: Xenopus Z: zebrafish E GP: Guinea Pig Rab: rabl	at Hm: hamster B: bovine Dg: do	Mk: monkey Vir: virus N og Pg: pig Sc: S. cerevis		÷

Phospho-Sin1 (Thr86) (D4U9L) Rabbit mAb (#14716) Datasheet Without Images Cell Signaling Technology

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