1/1/24, 7:56 AM Revision 1

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e at -20C	RCAS1 (D8K2E) Mouse mAb		Cell Signaling
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com
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#	3	3 Trask Lane Danvers	Massachusetts 01923 USA

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

Applications: WB, IP, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 32	Source/Isotype: Mouse IgG1	UniProt ID: #O00559	Entrez-Gene Id: 9166	
Product Usage Information		Application Western Blotting				Dilution 1:1000	
	I	Immunoprecipitation				1:50	
		Immunofluorescence (Ir	mmunocytochen	nistry)		1:50	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody	10 00	erol and less than	
Specificity / Sensitivity		RCAS1 (D8K2E) Mouse mAb recognizes endogenous levels of total RCAS1 protein.					
Source / Purificati		Ionoclonal antibody is p esidues surrounding Gly	-	nunizing animals with a s RCAS1 protein.	synthetic peptide corre	esponding to	
Background	bi R th ul R bi e: bi e: fu fu in st fu r tr R fu m a	inding fragment-associa RCAS1 was recently fou he cytolytic activity of cy biquitously expressed in RCAS1 is increased in a reast, ovary, endometri xpression are negativel halignancies (4). It is als era of cancer patients (unctioned as a ligand fo hducing their apoptosis, tudies have identified R brmation, secretion, and verexpression negative afficking from the <i>trans</i> esicle transport from the nachinery to mislocalize	ated gene 9 (EB and to play a nov totoxic T lympho n most human ti variety of malig um, and cervix. ly correlated with so noteworthy th 4). Initial studies r a putative rece which enabled CAS1 as a type 1 protein glycosy ly regulates the Golgi to secreto e ER to Golgi ar e. As a conseque ace, which are th	sed on SiSo cells (RCA: AG9). Originally identifia el role in the adaptive ir pocytes (CTLs) (2). RCA: ssues and cells (3,4). Ti nancies, including canc Research studies have in the prognosis of patier at research studies have indicated that RCAS1 of cancer cells to evade in III transmembrane Golg lation (2,7-9). Indeed, it cytolytic function of CTL ory lysosomes (2). Furth id causes components of ence, RCAS1 induces the nought to contribute to the ,9).	ed as an estrogen-ind nmune response by n S1 is conserved in phy here is evidence that is ers of the gastrointest shown that levels of R the harboring the afore e detected elevated lev was secreted from car cells, as well as T and mune surveillance (5, gi protein with the abil has been shown that is by negatively regula ermore, RCAS1 over of the ER quality contr e deposition of tumor	ucible gene (1), egatively regulating ylogeny and is tissue expression of inal tract, liver, lung, RCAS1 tissue ementioned evels of RCAS1 in the neer cells and B lymphocytes, ,6). Subsequent ity to regulate vesicle RCAS1 ating protein expression delays of and glycosylation -associated glycan	
Background Refer	2. 3. 4. 5. 6. 7. 8.	. Watanabe, T. et al. (19 . Rüder, C. et al. (2009) . Tsuchiya, F. et al. (200 . Giaginis, C. et al. (200 . Matsushima, T. et al. (200 . Nakashima, M. et al. (200 . Reimer, T.A. et al. (2010) F. . Engelsberg, A. et al. (201	J Clin Invest 11 D1) Biochem Bio D9) Histol Histop 2001) Blood 98, 1999) Nat Med D5) BMC Cance ASEB J 24, 400	9, 2184-203. phys Res Commun 284 athol 24, 761-76. 313-21. 5, 938-42. r 5, 47. 0-19.	, 2-10.		
Species Reactivity	y Sp	becies reactivity is deter	rmined by testing	g in at least one approve	ed application (e.g., w	estern blot).	
Western Blot Buff				membrane with diluted th gentle shaking, overr		% w/v nonfat dry	

1/1/24, 7:56 AM Applications Key	RCAS1 (D8K2E) Mouse mAb (#67856) Datasheet Without Images Cell Signaling Technology WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)				
Cross-Reactivity Key	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 				
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