e at -20C	RCAS1 (D6P5J) Rabbit mAb		CHNOLOGY*
Store (Orders:	877-616-CELL (2355) orders@cellsignal.com
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Applications: WB, IP, IHC-P	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 32	Source/Isotype: Rabbit IgG	UniProt ID: #O00559	Entrez-Gene Id: 9166	
Product Usage Information	Ар	oplication			C	Dilution	
mormation		estern Blotting			1	1:1000	
		munoprecipitation				1:200	
	Im	munohistochemistry ((Paraffin)		1	1:1600	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than	
Specificity / Sensit	ivity RC	AS1 (D6P5J) Rabbit I	mAb recognizes	endogenous levels of to	otal RCAS1 protein.		
Species predicted to react based on 100% sequence homology:		Bovine, Dog, Guinea Pig					
Source / Purification		noclonal antibody is p idues surrounding Glu		unizing animals with a s CAS1 protein.	synthetic peptide corre	esponding to	
Background	bind RC/ the ubid RC/ brea exp mal sera fund indu stud form ove traff ves mad anti	ding fragment-associa AS1 was recently fou cytolytic activity of cy quitously expressed in AS1 is increased in a ast, ovary, endometrin pression are negativel lignancies (4). It is als a of cancer patients (4) ctioned as a ligand fou ucing their apoptosis, dies have identified R mation, secretion, and erexpression negative ficking from the trans- cicle transport from the chinery to mislocalize	ated gene 9 (EB, nd to play a nov totoxic T lymphon n most human tis variety of malig um, and cervix. I y correlated with so noteworthy the 4). Initial studies r a putative rece which enabled of CAS1 as a type I protein glycosy ly regulates the Golgi to secreto e ER to Golgi an . As a conseque ace, which are th	ed on SiSo cells (RCAS AG9). Originally identifie el role in the adaptive in icytes (CTLs) (2). RCAS ssues and cells (3,4). Th nancies, including cance Research studies have the prognosis of patien at research studies have indicated that RCAS1 v ptor expressed on NK c cancer cells to evade im III transmembrane Golg lation (2,7-9). Indeed, it cytolytic function of CTL ry lysosomes (2). Furthe d causes components of nce, RCAS1 induces th ought to contribute to tu 9).	ed as an estrogen-indi- mune response by n S1 is conserved in phy- nere is evidence that t ers of the gastrointest shown that levels of R ats harboring the afore e detected elevated levas secreted from car cells, as well as T and mune surveillance (5, gi protein with the abili- has been shown that as 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 Refere	2. R 3. T 4. G 5. M 6. N 7. R 8. W	Vatanabe, T. et al. (19 Rüder, C. et al. (2009) Suchiya, F. et al. (200 Giaginis, C. et al. (200 Matsushima, T. et al. (Jakashima, M. et al. (Reimer, T.A. et al. (200 Volf, J. et al. (2010) F. Engelsberg, A. et al. (2	J Clin Invest 11 1) Biochem Bio 9) Histol Histopa 2001) Blood 98, 1999) Nat Med 5 05) BMC Cancer ASEB J 24, 400	9, 2184-203. ohys Res Commun 284, athol 24, 761-76. 313-21. 5, 938-42. 5, 47. D-19.	, 2-10.		

1/1/24, 10:35 AM Species Reactivity	RCAS1 (D6P5J) Rabbit mAb (#12053) Datasheet Without Images Cell Signaling Technology 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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.			
Applications Key	WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin)			
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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