e at -20C	RCAS1 (D2B6N) XP [®] Rabbit mAb		Cell Signaling
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com
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#	3 Т	Frask Lane Danvers	Massachusetts 01923 USA

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

Product Usage Information	We Im Im	pplication estern Blotting munoprecipitation			Dilı		
information	lm Im	0			1:10	Dilution	
	Im	munoprecipitation		Western Blotting			
				· · · · ·	1:10		
		munofluorescence (I	2	nistry)		00 - 1:400	
	FIC	ow Cytometry (Fixed	(Permeabilized)	1:100			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
	For	a carrier free (BSA a	and azide free) v	ersion of this product se	e product #35751.		
Specificity / Sensitivity		RCAS1 (D2B6N) $XP^{ extsf{B}}$ Rabbit mAb recognizes endogenous levels of total RCAS1 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly147 of human RCAS1 protein.					
Background	bind RC. the ubid RC. bre exp mal sera fund stud forr ove traf ves maa	ding fragment-associ AS1 was recently for cytolytic activity of c quitously expressed AS1 is increased in a ast, ovary, endometr ression are negative ignancies (4). It is al a of cancer patients dies have identified F nation, secretion, and rexpression negative ficking from the <i>trans</i> icle transport from the chinery to mislocalize	iated gene 9 (EB und to play a nov ytotoxic T lympho in most human ti a variety of malig ium, and cervix. ely correlated with so noteworthy th (4). Initial studies or a putative rece , which enabled RCAS1 as a type d protein glycosy ely regulates the s-Golgi to secreto ne ER to Golgi ar e. As a conseque face, which are th	sed on SiSo cells (RCAS AG9). Originally identifie el role in the adaptive in boytes (CTLs) (2). RCAS ssues and cells (3,4). Th nancies, including cance Research studies have so the prognosis of patient at research studies have indicated that RCAS1 v optor expressed on NK c cancer cells to evade im III transmembrane Golg dation (2,7-9). Indeed, it cytolytic function of CTL bry lysosomes (2). Furthe d causes components of ence, RCAS1 induces th nought to contribute to tu (9).	ed as an estrogen-indu- mune response by ne 51 is conserved in phy here is evidence that ti ers of the gastrointesti shown that levels of Ru- ts harboring the afore e detected elevated lev vas secreted from can ells, as well as T and mune surveillance (5, gi protein with the abiliti has been shown that is by negatively regula ermore, RCAS1 overe of the ER quality contro e deposition of tumor-	acible gene (1), egatively regulating logeny and is ssue expression of nal tract, liver, lung, CAS1 tissue mentioned vels of RCAS1 in the cer cells and B lymphocytes, 6). Subsequent ty to regulate vesicle RCAS1 ting protein xpression delays ol and glycosylation associated glycan	
Background Referenc	2. F 3. T 4. G 5. M 6. N 7. F 8. V	Giaginis, C. et al. (200 Matsushima, T. et al. Iakashima, M. et al. Reimer, T.A. et al. (20 Volf, J. et al. (2010) F) J Clin Invest 11 01) Biochem Bio 09) Histol Histop (2001) Blood 98, (1999) Nat Med 905) BMC Cance FASEB J 24, 400	9, 2184-203. ohys Res Commun 284, athol 24, 761-76. 313-21. 5, 938-42. r 5, 47.	2-10.		

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

1/11/24, 11:32 AM Western Blot Buffer	RCAS1 (D2B6N) XP® Rabbit mAb (#12290) Datasheet Without Images Cell Signaling Technology 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 : Western Blotting IP : Immunoprecipitation IF-IC : Immunofluorescence (Immunocytochemistry) FC-FP : Flow Cytometry (Fixed/Permeabilized)
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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