e at -20C	CEACAM1 Antibody			
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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542		Web:	info@cellsignal.com cellsignal.com	
#	3 т	rask Lane Danvers Ma	ssachusetts 01923 USA	

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

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 140-160	Source: Rabbit	UniProt ID: #P13688	Entrez-Gene Id: 634	
Product Usage Information	We	plication estern Blotting munoprecipitation			Dilution 1:1000 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity / Sensit	tivity CEA	CEACAM1 Antibody detects endogenous levels of total CEACAM1 protein.					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala460 of human CEACAM1 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	(CE epit the type cyto (imr serv mal (2). mer neo	ACAM) subfamily of helial, endothelial, lyr abundance of CEAC, as and may be regula oplasmic tails have di nunoreceptor tyrosin ve as potential phosp king its apparent mole CEACAM1 mediates nbers of the CEACAI	the carcinoembryc mphoid, and myelo AM1 and the relati ted in a context-de fferent signaling pi e-based inhibitory horylation targets. ecular weight durin intercellular adhe M family. Studies in in signaling, T cell	nic antigen (CEA) fa bid cells. Human CE, ve ratio of the differe ependent fashion. Th operties. Notably, L motif) and several s The extracellular do g electrophoresis m sion through homo- ndicate that CEACA signaling, and tumo	f CEA-related cell-adhes amily (1). CEACAM1 is e ACAM1 has many differen- ent isoforms varies mark he isoforms with long (L) isoforms contain a funct erine and threonine resi- omain of CEACAM1 is he such larger than its predi- and heterophilic interact M1 plays important roles origenesis (3-8). In additi	expressed by certain ent splice variants; edly among cell and short (S) ional ITIM dues that could eavily glycosylated, cted size (57.6 kDa) ion with other s in angiogenesis,	
Background Refere	2. G 3. H 4. E 5. K 6. P 7. H 8. L 9. H	uespert, K. et al. (200 iray-Owen, S.D. and lorst, A.K. et al. (2000) agun, S. et al. (2000) ammerer, R. et al. (2 oy, M.N. et al. (2002) lsieh, J.T. et al. (1995 eung, N. et al. (2006) emmila, E. et al. (2010)	Blumberg, R.S. (2 5) J Clin Invest 116 Mol Cell 5, 311-20 001) J Immunol 16 Nat Genet 30, 27 5) Cancer Res 55, 0 Oncogene 25, 55 04) J Virol 78, 101	006) <i>Nat Rev Immul</i> 5, 1596-605. 56, 6537-44. 0-6. 190-7. 127-36. 56-65.	nol 6, 433-46.		
Species Reactivity	Spec	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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Key		WB: Western Blotting IP: Immunoprecipitation					
Cross-Reactivity K	X: X	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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Limited Uses

CEACAM1 Antibody (#5441) Datasheet Without Images Cell Signaling Technology

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