CD44 Antibody	C T	ell Signaling		
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com		
	Support:	877-678-TECH (8324)		
#3578	Web:	info@cellsignal.com cellsignal.com		
#	3 Trask Lane Danvers Massachusetts 01923 USA			
For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit	UniProt ID: #P16070	Entrez-Gene Id: 960		
Product Usage Information		Application Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM so 20°C. Do not aliquot t		ö), 150 mM NaCl, 100 μg	/ml BSA and 50% gl	ycerol. Store at –		
Specificity/Sensi	tivity	CD44 Antibody detect	s endogenous level	s of total CD44 protein.				
Source / Purifica	tion	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide surrounding Leu135 of human CD44. Antibodies are purified by peptide affinity chromatography.						
Background		its affinity for hyaluro CD44 is highly polymo post-translational mo activation, and expres studies have shown th carcinoma cell growth cytoskeleton to the pl Ser325 in resting cells	nic acid (HA) and po prphic, possesses a difications (1,2). Inc ssion of the protein hat interactions bet n (1-3). CD44 interac asma membrane an s. Activation of PKC	otein that mediates cell- ossibly through other pa number of alternative sp reased surface levels of is upregulated during th ween CD44 and HER2 ar ts with ezrin, radixin, an and the ECM (4-6). CD44 is results in phosphorylatio 4, and directional motilit	rts of the extracellu olice variants and u CD44 are character ne inflammatory res e linked to an incre d moesin (ERM), lin s constitutively pho on of Ser291, depho	lar matrix (ECM). ndergoes extensive istic of T cell sponse. Research ase in ovarian king the actin sphorylated at		
Background Ref	erences	1. Goodison, S. et al. (1999) <i>Mol. Pathol.</i> 52, 189-196. 2. Cichy, J. and Puré, E. (2003) <i>J. Cell Biol.</i> 161, 839-843. 3. Bourguignon, L.Y. et al. (1997) <i>J. Biol. Chem.</i> 272, 27913-27918. 4. Legg, J.W. et al. (2002) <i>Nat. Cell Biol.</i> 4, 399-407. 5. Yonemura, S. et al. (1998) <i>J. Cell Biol.</i> 140, 885-895. 6. Tsukita, S. et al. (1994) <i>J. Cell Biol.</i> 126, 391-401.						
Species Reactivi	ty	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Bu	ffer	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	,	W: Western Blotting						
Cross-Reactivity	Кеу	H: Human						
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