USP4 Antibody	С	
Stor	Orders:	877-616-CELL (2355) orders@cellsignal.com
	Support:	877-678-TECH (8324)
565	Web:	info@cellsignal.com cellsignal.com
#	3 Trask Lane Danvers Mas	sachusetts 01923 USA
For Research Use Only. Not for Use in Diagnostic Procedures.		

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 104, 109	Source/Isotype: Rabbit	UniProt ID: #Q13107	Entrez-Gene Id: 7375
Product Usage Information	•	Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM so 20°C. Do not aliquot t	dium HEPES (pH 7. he antibody.	5), 150 mM NaCl, 100 µg.	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sen	sitivity	USP4 Antibody recognizes endogenous levels of total USP4 protein. Based upon sequence alignment, this antibody is predicted to cross-react with the UnpEL and UnpES isoforms of USP4. This antibody does not cross-react with USP15.				
Species predict based on 100% homology	ted to react sequence	Dog				
Source / Purifi	cation	Polyclonal antibodies residues surrounding affinity chromatograp	are produced by in His666 of human l bhy.	munizing animals with JSP4 protein. Antibodies	a synthetic peptide are purified by pro	corresponding to tein A and peptide
Background		Ubiquitinating enzym deubiquitinating enzym UCH, OTU, MJD, and J, near the Mpv20 retro Analysis of the mouse <i>tre-2/tre-17/USP6</i> pro conserved Cys and Hi lung tumor tissue, it w expression levels in sr USP4 in neoplasia (6). human cancer and th levels (9). Both murine suppressor proteins, f transformation (10, 1)	es (UBEs) catalyze p rme (DUB) action (1 AMM enzymes. USF viral insertion site a e cDNA originally id to-oncogene (3,4). s boxes of the UBP vas observed that t mall cell tumors and Another recent stu at USP4 positively of e and human USP4 providing additiona 1).	protein ubiquitination, a 2). Five DUB subfamilies 4 was originally identifie nd intially referred to as entified Usp4/Unp as a p Jsp4/Unp was subseque family (5,6) as well as DU he human homolog of U d adenocarcinomas of the dy demonstrated overes ontributes to cell transfo have been shown to inte I mechanistic evidence of	reversible process of a re recognized, inc ed during a survey of Ubiquitous Nuclea proto-oncogene rela ently observed to co JB activity (7,8). In a Isp4, USP4/UNPH, h lea lung, suggesting operation by negative promation by negative eract with the Rb fa of a role for USP4 in	countered by cluding the USP, of murine genes r Protein (UNP). ted to the human ntain the study of primary ad elevated gene a causative role for several types of rely regulating p53 mily of tumor cellular
Background Ro	eferences	1. Nijman, S.M. et al. (2. Nalepa, G. et al. (20 3. Gupta, K. et al. (199 4. Gupta, K. et al. (199 5. Papa, F.R. and Hoch 6. Gray, D.A. et al. (199 7. Gilchrist, C.A. et al. 8. Gilchrist, C.A. and E 9. Zhang, X. et al. (201 10. Blanchette, P. et a 11. DeSalle, L.M. et al.	2005) <i>Cell</i> 123, 773 (06) <i>Nat Rev Drug E</i> (4) <i>Oncogene</i> 9, 172 (3) <i>Oncogene</i> 8, 230 (1937) <i>J Biol Chem</i> (1997) <i>J Biol Chem</i> (1997) <i>J Biol Chem</i> (2001) <i>Oncogene</i> (2001) <i>Oncogene</i> (2001) <i>Oncogene</i>	86. <i>iscov</i> 5, 596-613. 19-31. <i>Nature</i> 366, 313-9. 179-83. 272, 32280-5. <i>ischim Biophys Acta</i> 1481 -89. 20, 5533-7. 10, 5538-42.	, 297-309.	
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	Buffer	IMPORTANT: For west dry milk, 1X TBS, 0.1%	ern blots, incubate Tween® 20 at 4°C	membrane with diluted with gentle shaking, ove	primary antibody i ernight.	n 5% w/v nonfat
Applications K	ev	W: Western Blotting				

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Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey
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