Revisi	on 1		
e at -20C	OTUB1 Antibody	T C	
Stor		Orders:	877-616-CELL (2355) orders@cellsignal.com
		Support:	877-678-TECH (8324)
451		Web:	info@cellsignal.com cellsignal.com
8#	3 Trask Lar	ne Danvers Mas	sachusetts 01923 USA

For R	esearch	Use Onl	y. Not	for	Use in	Diagn	ostic Pro	ocedures.

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 31	Source/Isotype: Rabbit	UniProt ID: #Q96FW1	Entrez-Gene Id 55611		
Product Usage Information		Application Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM so 20°C. Do not aliquot t	dium HEPES (pH 7.5 he antibody.), 150 mM NaCl, 100 μg/	/ml BSA and 50% gl	ycerol. Store at –		
Specificity/Sensi	tivity	OTUB1 Antibody recognizes endogenous levels of total OTUB1 protein. This antibody does not cross- react with OTUB2 but may cross-react with OTUB1, isoform 2 (ARF-1).						
Species predicte based on 100% s homology	d to react equence	Bovine, Dog, Horse						
Source / Purifica	tion	Polyclonal antibodies residues surrounding and peptide affinity cl	are produced by im Val117 of human O hromatography.	munizing animals with a TUB1 protein, isoform 1	a synthetic peptide . Antibodies are pu	corresponding to rified by protein A		
Background		Protein ubiquitination enzymes (UBEs) and o USP, UCH, OTU, MJD, a putative cysteine prot OTUB1 and OTUB2 (C any known DUB, but a histidine, and asparta Furthermore, sequen motifs (UIMs) and Ub protein ubiquitination a consensus LxLL me nuclear hormone reco OTUB1 exists as two i ubiquitously expresse pattern and is mostly OTUB1 has a preferer chains and is capable have been implicated GRAIL (5). More recen novel mechanism not RNF168 to drive ubiqui	and deubiquitinati deubiquitinating enz and JAMM (1,2). The geases that are hom TU domain-contain are close homologs te residues that def ce analysis of OTUB -associated domain: n. OTUB1 and OTUB: otif, which mediates eptors (4). soforms that are ge ed while the longer 3 detected in lympho for cleaving NEDD8, in anergy induction thy, OTUB1 was four involving OTUB1 Di juitination-depender	on are reversible proces symes (DUBs) (1,2). DUB: OTU subfamily compris bologous to the ovarian t ng Ubal-binding proteir and possess an OTU dou ine the putative catalytic 1 and OTUB2 reveals the 5 (UBAs), which are char 2 also possess a putative the interaction between nerated by alternative s 15 kDa isoform (ARF-1) h id organs (5). Biochemic linked polyubiquiting or I in CD4 ⁺ T cells by regul- d to bind to and inhibit JB activity, thus compro t repair of DNA double-	ses catalyzed by ub s are categorized ir es a group of appro umor gene produc is) display no signif main that contains c triad of cysteine p e presence of putat acteristic of proteir e nuclear localization n transcriptional co plicing; the shorter ias a more restricte ial analysis has den ains over K63-linked SG15 conjugates (6 ating the stability o the E2 activity of U mising the ability co strand lesions (7).	piquitinating to 5 subfamilies: poximately 100 to f Drosophila (3). icant similarity to conserved cysteine, roteases. ive Ub-interaction is that regulate on signal (NLS) and -activators and 31 kDa isoform is d expression nonstrated that d polyubiquitin b). OTUB1 isoforms f the E3 ligase BE2N through a of the E3 ligase		
Background Ref	erences	1. Nijman, S.M. et al. (2. Nalepa, G. et al. (20 3. Makarova, K.S. et a 4. Balakirev, M.Y. et al 5. Soares, L. et al. (20 6. Edelmann, M.J. et a 7. Nakada, S. et al. (20	2005) <i>Cell</i> 123, 773- 106) <i>Nat Rev Drug D</i> I. (2000) <i>Trends Bioc</i> . (2003) <i>EMBO Rep</i> 4) <i>Nat Immunol</i> 5, - I. (2009) <i>Biochem</i> 1 110) <i>Nature</i> 466, 941	86. <i>iscov</i> 5, 596-613. <i>hem Sci</i> 25, 50-2. 517-22. 45-54. 19, 379-90. -6.				
Species Reactivi	ty	Species reactivity is d	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Bu	ffer	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 rnight.	n 5% w/v nonfat		
Applications Key	/	W: Western Blotting						
Croce Desetivity	Kov	H• Human M• Mouse	R • Rat Mk• Monkey					

Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.					
	All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.					
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.					
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.					

Orders: 877-616-CELL (2355) • orders@cellsignal.com • Support: 877-678-TECH (8324) • info@cellsignal.com • Web: cellsignal.com For Research Use Only. Not for Use in Diagnostic Procedures.