e at -20C	USP15 (D1K6S) Rabbit mAb	T C	Cell Signaling		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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Applications: WB, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 120	Source/Isotype: Rabbit IgG	UniProt ID: #Q9Y4E8	Entrez-Gene Id: 9958	
Product Usage Information	We	plication stern Blotting nunoprecipitation			Dilution 1:1000 1:200		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		USP15 (D1K6S) Rabbit mAb recognizes endogenous levels of total USP15 protein. This antibody does not cross-react with either USP4 or USP11 proteins.					
Species predicted react based on 100 sequence homolog)%	, Pig					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human USP15 protein.					
Background	(UB) subf term to th tumo USF mon onco whic cell-	Es) and deubiquitina amilies based on ca inal hydrolase 15 (U e paralogous DUBs, ors and its high expro 215 is a positive regu ioubiquitinated R-SM ogenic TGF-β signali ch facilitates receptor mediated antitumor f	ting enzymes (E talytic domain st SP15) is a USP USP4, and USi ession correlate lator of oncoger IADs to enhance ng by opposing stabilization (3, responses throu	on are reversible process DUBs), respectively (1,2) ructure: USP, UCH, OTI subfamily deubiquitinat P11. The USP15 gene is swith a poor prognosis nic TGF- β signaling and target gene promoter to SMURF2-mediated ubic 4). USP15 contributes to gh the deubiquitination a 5 as a potential target for	DUBs are categorized J, MJD, and JAMM. U ing enzyme with simila s amplified in glioblast (3,4). Research studied that USP15 deubiquit binding (5). USP15 als quitination of the type o o oncogenesis by neg and stabilization of the	ed into five Ibiquitin carboxyl- ar domain structure oma and other solid es demonstrate that inates o promotes I TGF-β receptor, atively regulating T e E3 ubiquitin ligase	
Background References		 Nijman, S.M. et al. (2005) <i>Cell</i> 123, 773-86. Nalepa, G. et al. (2006) <i>Nat Rev Drug Discov</i> 5, 596-613. Zhang, L. et al. (2013) <i>Mol Cell</i> 51, 559-72. Eichhorn, P.J. et al. (2012) <i>Nat Med</i> 18, 429-35. Inui, M. et al. (2011) <i>Nat Cell Biol</i> 13, 1368-75. Zou, Q. et al. (2014) <i>Nat Immunol</i> 15, 562-70. 					
Species Reactivity	Spec	ies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern 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 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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