

£2553

USP10 Antibody



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Applications: W, IP, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 110	Source/Isotype: Rabbit	UniProt ID: #Q14694	Entrez-Gene Id: 9100
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence	(Immunocytochen	istry)		Dilution 1:1000 1:50 1:50
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		USP10 Antibody detects endogenous levels of total USP10 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu163 of human USP10 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		deubiquitinating enzy UCH, OTU, MJD, and JA cysteine and histidine posttranslational level phosphorylation. Indebeen found to inhibit is mediated phosphoryla and redistribution from stabilization, and activ works in concert with deubiquitinate Vps34 component of these cand stabilize the levels the DUB activity of US	me (DUB) action (1 MM enzymes. USF boxes representat , USP10 appears to ted, interaction of USF ation of USP10 at T m the cytoplasm to ration in response of USP13 and Vps34 of complexes to regu complexes, function of USP10. Therefor P10 (5). USP10 also	protein ubiquitination, a (2). Five DUB subfamilies 10 possesses amino acid ve of the USP family of complete be regulated through bus 15P10 with Ras-GAP SH3 ethe disassembly of ubinard and Ser337 was should be regulated the nucleus, where it furong genotoxic stress (4). Recomplexes. USP10, along atte the levels of this class to regulate the stability ore, Beclin-1, can indirect functions in the endosone enhance its endocytic results.	are recognized, in a sequences that made a sequences that made a sequences that made a sequences that made a sequence and it is a sequence as	cluding the USP, natch the consensus nzymes. At the n interactions and rotein (G3BP) has urthermore, ATM-SP10 stabilization biquitination, with that USP10 ars to another can deubiquitinate bility by controlling, where it has been
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. Soncini, C. et al. (2001) <i>Oncogene</i> 20, 3869-79. Yuan, J. et al. (2010) <i>Cell</i> 140, 384-96. Liu, J. et al. (2011) <i>Cell</i> 147, 223-34. Bomberger, J.M. et al. (2009) <i>J Biol Chem</i> 284, 18778-89. Bomberger, J.M. et al. (2011) <i>Channels (Austin)</i> 4, 150-4. 				
Species Reactivit	ty	Species reactivity is de	etermined by testin	g in at least one approve	ed 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

W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: Human M: Mouse R: Rat Mk: Monkey

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