e at -20C	UBE1L2/UBA6 Antibody		Ell Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
3386		Support:	877-678-TECH (8324)
133		Web:	info@cellsignal.com cellsignal.com
#		3 Trask Lane Danvers Ma	assachusetts 01923 USA

For Research Use Only. Not for Use in Diagnostic Procedures.

	eactivity: Sensitiv I M R Mk Endogen		Source: Rabbit	UniProt ID: #A0AVT1	Entrez-Gene Id: 55236		
Product Usage Information	Application Western Blotting	9		Dilution 1:1000			
	Immunoprecipit	ation		1:100			
Storage		M sodium HEPES (pH 7 Juot the antibody.	.5), 150 mM NaCl, 10	00 μg/ml BSA and 50% g	glycerol. Store at –		
Specificity / Sensitivi		ntibody recognizes endo vith UBE1/UBA1 or UBE1		al UBE1L2/UBA6 protein	. This antibody does		
Species predicted to react based on 100% sequence homology:	Pig						
Source / Purification	residues surroun	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys810 of human UBE1L2 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	proteins for degr ubiquitin conjuga activating enzym	covalently linked to many adation by the 26S prote tion process. Ubiquitin is ie (E1). The activated ubi n E2 to ubiquitin ligase E -3).	asome. Three compo first activated by for quitin is subsequent	onents are involved in the ming a thioester complex ly transferred to the ubiq	e target protein- x with the ubiquitin- uitin-carrier protein		
	ubiquitously exp identity at the pro through a similar contains a conse for enzymatic fur essential during UBE1L2/UBA6 e	ng enzyme E1-like protei ressed in human tissues btein level). UBE1L2/UBA ATP dependent mechan rived ATP-binding adenyl action (4,5). Research stu the early stages of embry expression promotes sign reduction in body weight	and functions as an A6 activates both ubio ism (4-6). Like other lation domain and an udies have demonstra yogenesis in mice (4) ificant defects in neu	E1 enzyme related to UE quitin and the ubiquitin-li E1 protein family memb active site cysteine resi ated that UBE1L2/UBA6). Furthermore, loss of ne ronal structure and funct	BE1/UBA1 (40% ke protein FAT10 ers, UBE1L2/UBA6 due that are critical expression is euronal		
Background Referen	2. Hochstrasser, 3. Hochstrasser, 4. Chiu, Y.H. et a 5. Pelzer, C. et a 6. Jin, J. et al. (2)	A. (1998) EMBO J 17, 71 M. (2000) Nat Cell Biol 2 M. (2000) Science 289, 9 I. (2007) Mol Cell 27, 103 I. (2007) J Biol Chem 283 007) Nature 447, 1135-8 . (2013) Mol Cell 50, 172	r, E153-7. 563-4. 14-23. 2, 23010-4.				
Species Reactivity	Species reactivity	is determined by testing	in at least one appro	oved application (e.g., we	estern blot).		
Western Blot Buffer		western blots, incubate 1 % Tween® 20 at 4°C with			% w/v nonfat dry		

1/1/24, 7:10 AM Applications Key	UBE1L2/UBA6 Antibody (#13386) Datasheet Without Images Cell Signaling Technology 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			
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.			