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WIPI1 Antibody			
Store at	Orders:	877-616-CELL (2355) orders@cellsignal.com	
24	Support:	877-678-TECH (8324)	
#12124	Web:	info@cellsignal.com cellsignal.com	
#	3 Trask Lane Danvers M	assachusetts 01923 USA	

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

Applications: Reactive WB H	vity: Sensitivity: Endogenous	MW (kDa): 48	Source: Rabbit	UniProt ID: #Q5MNZ9	Entrez-Gene Id: 55062
Product Usage Information	Application Western Blotting			Dilution 1:1000	
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	WIPI1 Antibody recognizes endogenous levels of total WIPI1 protein.				
Species predicted to react based on 100% sequence homology:	Monkey				
Source / Purification	Polyclonal antibodies ar residues surrounding Ly affinity chromatography.	s369 of human WI	-		
Background	Autophagy is a catabolic contents (1,2). It is gene number of physiological and cancer (3). The mol a number of autophagy- Vacuolar trafficking and Vps34, which generates WD-repeat proteins that that Atg18 binds to Atg2 PtdIns3P (8). Human or Interacting with Phospho shown to translocate fro autophagy; this transloc	rally activated by c processes includir ecular machinery c related (Atg) genes autophagy are con phosphoinositide- bind PtdIns3P via and that this comp thologs of Atg18 ar binositides (WIPI) f m several vacuolar ation may be used	onditions of nutrient g development, diffe f autophagy was lar s. trolled by the class I 3-phosphate (PtdIns a conserved Phe-Ar lex is directed to var d Atg21 were identifi amily (9-11). WIP11 compartments to Lu as an autophagy ma	deprivation but is also a erentiation, neurodegen gely discovered in yeas II type phosphoinositide 3P) (4,5). Atg18 and Att g-Arg-Gly motif (6,7). It cuolar membranes by its ied as members of the (also called WIPI49) and C3-positive autophagos arker (10).	associated with a eration, infection, t and is directed by 2 3-kinase (PI3K) g21 are two related has been shown s interaction with WD-repeat protein d WIPI2 have been
Background References	 Reggiori, F. and Klions Codogno, P. and Meiji Levine, B. and Yuan, A. Corvera, S. (2001) Tra Yan, Y. and Backer, J. Krick, R. et al. (2006) Strømhaug, P.E. et al. Obara, K. et al. (2008) Jeffries, T.R. et al. (2001) Proikas-Cezanne, T. et al. (2001) 	er, A.J. (2005) <i>Cell</i> J. (2005) <i>J Clin Inv</i> affic 2, 859-66. M. (2007) <i>Biochen</i> <i>FEBS Lett</i> 580, 46 . (2004) <i>Mol Biol Cell</i>) <i>J Biol Chem</i> 283, 104) <i>Mol Biol Cell</i> 1 et al. (2007) <i>FEBS</i>	Death Differ 12 Sup est 115, 2679-88. a Soc Trans 35, 239- 32-8. ell 15, 3553-66. 23972-80. 5, 2652-63. Lett 581, 3396-404.	pl 2, 1509-18.	
Species Reactivity	Species reactivity is dete	rmined by testing in	n at least one approv	ved application (e.g., we	estern blot).
Western Blot Buffer	IMPORTANT: For wester 0.1% Tween® 20 at 4°C v			d primary antibody in 59	6 w/v BSA, 1X TBS,

3/23/24, 1:41 PM	WIPI1 Antibody (#12124) Datasheet Without Images Cell Signaling Technology
Applications Key	WB: Western Blotting
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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