Revision 1



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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 48	Source/Isotype: Rabbit	UniProt ID: #Q5MNZ9	Entrez-Gene Id: 55062			
Product Usage Information		Application Western Blotting			Dilution 1:1000				
Storage		Supplied in 10 mM soo 20°C. Do not aliquot th), 150 mM NaCl, 100 μg/	/ml BSA and 50% gl	ycerol. Store at –			
Specificity/Sensitivity		WIPI1 Antibody recognizes endogenous levels of total WIPI1 protein.							
Species predict based on 100% homology		Monkey							
Source / Purific	ation		Lys369 of human V	munizing animals with a /IPI1 protein. Antibodies					
Background		contents (1,2). It is ger number of physiologic	nerally activated by cal processes, inclue 3). The molecular n	autophagosomic-lysosor conditions of nutrient d ding development, differ nachinery of autophagy ed (Atg) genes.	eprivation but is als rentiation, neurode	o associated with a generation,			
		Vps34, which generate related WD-repeat pro shown that Atg18 bind interaction with PtdIns WD-repeat protein inter and WIPI2 have been	es phosphoinositide iteins that bind Ptd ds to Atg2 and that s3P (8). Human orth eracting with phosp shown to transloca	ontrolled by the class III e-3-phosphate (PtdIns3P Ins3P via a conserved Pl this complex is directed hologs of Atg18 and Atg oboinositides (WIPI) fam te from several vacuolar translocation may be us) (4,5). Atg18 and A ne-Arg-Arg-Gly moti to vacuolar membr 21 were identified a ily (9-11). WIPI1 (als compartments to l	tg21 are two if (6,7). It has been ranes by its s members of the to called WIPI49) .C3-positive			
Background Re	ferences	1. Reggiori, F. and Klio 2. Codogno, P. and Me 3. Levine, B. and Yuan, 4. Corvera, S. (2001) <i>Tr</i> 5. Yan, Y. and Backer, J 6. Krick, R. et al. (2006) 7. Strømhaug, P.E. et a 8. Obara, K. et al. (2000) 9. Jeffries, T.R. et al. (21 10. Proikas-Cezanne, T 11. Polson, H.E. et al. (iijer, A.J. (2005) <i>Cell</i> J. (2005) <i>J Clin Inve</i> <i>raffic</i> 2, 859-66. M. (2007) <i>Biochem</i> <i>J FEBS Lett</i> 580, 463 I. (2004) <i>Mol Biol C</i> 8) <i>J Biol Chem</i> 283, 004) <i>Mol Biol Cell</i> 1! T. et al. (2007) <i>FEBS</i>	Death Differ 12 Suppl 2, st 115, 2679-88. Soc Trans 35, 239-41. 2-8. ell 15, 3553-66. 23972-80. 5, 2652-63. Lett 581, 3396-404.	1509-18.				
Species Reactiv	ity	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).			
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody ir	ר 5% w/v BSA, 1X			
Applications Ke	ey	W: Western Blotting							
Cross-Reactivit	y Key	H: Human							

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 purpose, 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 or services, (c) not alter or remove from the 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.				