e at -20C	ULK1 (A705) Antibody			
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
76		Support:	877-678-TECH (8324)	
#477		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers Ma	assachusetts 01923 USA	

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

••	tivity: Sensitivity: H Endogenous	MW (kDa): 150	Source: Rabbit	UniProt ID: #O75385	Entrez-Gene Id: 8408	
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	ULK1 (A705) Antibody	ULK1 (A705) Antibody detects endogenous levels of total ULK1 protein.				
Source / Purification	Polyclonal antibodies a residues surrounding A chromatography.		0			
Background	Two related serine/thre mammalian homologs extension and growth (domain followed by a c The roles of ULK1 and localized to neuronal gr (5). Yeast two-hybrid st and syntenin (6). Struct Atg1/Apg1 (7). Knockdr (8), a catabolic process can act as a convergen autophagy-related (Atg	of the <i>C. elegans</i> get 1-4). Both proteins a entral proline/serine ULK2 in axon grow rowth cones and are udies found ULK1/2 tural similarity of UL own experiments us s for the degradation are point for multiple	ene unc-51 in which are widely expressed rich domain and a h th have been linked involved in endocyl associated with mo K1/2 has also been ing siRNA demonstr of bulk cytoplasmic signals that control	mutants exhibited abnor and contain an amino- highly conserved carbox to studies showing that cosis of critical growth fa dulators of the endocyti recognized with the yea ated that ULK1 is esser contents (9,10). It appe autophagy (11), and ca	rmal axonal terminal kinase cy-terminal domain. the kinases are actors, such as NGF c pathway, SynGAP, est autophagy protein ntial for autophagy ears that Atg1/ULK1 n bind to several	
Background References	 Ogura, K. et al. (199- 2. Kuroyanagi, H. et al. Yan, J. et al. (1998) <i>I</i> Yan, J. et al. (1999) <i>G</i> Zhou, X. et al. (2007) Tomoda, T. et al. (2007) Tomoda, T. et al. (2007) Matsuura, A. et al. (2007) Reggiori, F. and Klion Codogno, P. and Mei Stephan, J.S. and Hei Okazaki, N. et al. (2001) Young, A.R. et al. (2001) Lee, S.B. et al. (2007) Hara, T. et al. (2007) 	(1998) Genomics 5 Biochem Biophys Re Oncogene 18, 5850) Proc Natl Acad Sc 04) Genes Dev 18, 1 997) Gene 192, 245 07) J Biol Chem 282 nsky, D.J. (2002) Eu ijer, A.J. (2005) Cell erman, P.K. (2006) A 000) Brain Res Mol 1 006) J Cell Sci 119, 000) J Cell Biol 150, 7) EMBO Rep 8, 360	1, 76-85. es Commun 246, 22 -9. i USA 104, 5842-7. 541-58. 5-50. 2, 25464-74. ikaryot Cell 1, 11-21 Death Differ 12 Sup Autophagy 2, 146-8. Brain Res 85, 1-12. 3888-900. 1507-13. D-5.			
Species Reactivity	Species reactivity is dete	ermined by testing i	n at least one approv	ved application (e.g., we	estern blot).	
Western Blot Buffer	IMPORTANT: For weste 0.1% Tween® 20 at 4°C			d primary antibody in 59	∕₀ w/v BSA, 1X TBS,	
Applications Key	WB: Western Blotting					
Cross-Reactivity Key						

3/23/24, 11:13 AM	ULK1 (A705) Antibody (#4776) Datasheet Without Images Cell Signaling Technology			
	 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.			