

ULK1 (R600) Antibody



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

Applications: W	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 150	Source/Isotype: Rabbit	UniProt ID: #075385	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 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		ULK1 (R600) Antibody detects endogenous levels of total ULK1 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg600 of human ULK1. Antibodies were purified by protein A and peptide affinity chromatography.				
Background		mammalian homolog extension and growth domain followed by a domain. The roles of kinases are localized t factors, such as NGF (endocytic pathway, Sy with the yeast autoph that ULK1 is essential contents (9,10). It app	s of the <i>C. elegans</i> of (1-4). Both proteins central proline/seriouk and ULK2 in a coneuronal growth 5). Yeast two-hybric (nGAP, and synteninagy protein Atg1/A for autophagy (8), a cears that Atg1/ULK I), and can bind to s	IC-51-like kinase 1 and 2 gene unc-51 in which mis are widely expressed a ne rich domain and a hi xon growth have been li cones and are involved I studies found ULK1/2 a (6). Structural similarity pg1 (7). Knockdown expacatabolic process for the catabolic process for the catabo	utants exhibited ab and contain an amir ghly conserved car nked to studies sho in endocytosis of cr associated with moo of ULK1/2 has also eriments using siRI ne degradation of b nce point for multip	normal axonal no-terminal kinase boxy-terminal wing that the citical growth dulators of the been recognized NA demonstrated oulk cytoplasmic le signals that
Background References		1. Ogura, K. et al. (1994) <i>Genes Dev</i> 8, 2389-400. 2. Kuroyanagi, H. et al. (1998) <i>Genomics</i> 51, 76-85. 3. Yan, J. et al. (1998) <i>Biochem Biophys Res Commun</i> 246, 222-7. 4. Yan, J. et al. (1999) <i>Oncogene</i> 18, 5850-9. 5. Zhou, X. et al. (2007) <i>Proc Natl Acad Sci USA</i> 104, 5842-7. 6. Tomoda, T. et al. (2004) <i>Genes Dev</i> 18, 541-58. 7. Matsuura, A. et al. (1997) <i>Gene</i> 192, 245-50. 8. Chan, E.Y. et al. (2007) <i>J Biol Chem</i> 282, 25464-74. 9. Reggiori, F. and Klionsky, D.J. (2002) <i>Eukaryot Cell</i> 1, 11-21. 10. Codogno, P. and Meijer, A.J. (2005) <i>Cell Death Differ</i> 12 Suppl 2, 1509-18. 11. Stephan, J.S. and Herman, P.K. (2006) <i>Autophagy</i> 2, 146-8. 12. Okazaki, N. et al. (2000) <i>Brain Res Mol Brain Res</i> 85, 1-12. 13. Young, A.R. et al. (2006) <i>J Cell Sci</i> 119, 3888-900. 14. Kamada, Y. et al. (2007) <i>EMBO Rep</i> 8, 360-5. 16. Hara, T. et al. (2008) <i>J Cell Biol</i> 181, 497-510.				

Species Reactivity

Species reactivity is determined by testing in at least one approved 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

Cross-Reactivity Key

H: Human Mk: Monkey

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