8938 Store at -20C

ULK1 (D8H5) Rabbit mAb (Biotinylated) Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com

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

Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 150	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #075385	Entrez-Gene Id: 8408	
Product Usage Information	-	pplication estern Blotting			Dilution 1:1000		
Storage		oplied in 136 mM Na0 6 glycerol. Store at –		12 mM sodium phospha quot the antibody.	te (pH 7.4) dibasic, 2	mg/ml BSA, and	
Specificity / Sensitivity		ULK1 (D8H5) Rabbit mAb (Biotinylated) recognizes endogenous levels of total ULK1 protein.					
Source / Purification		noclonal antibody is p idues surrounding Arg		nunizing animals with a s JLK1 protein.	synthetic peptide corre	esponding to	
Product Description		This Cell Signaling Technology antibody is conjugated to biotin under optimal conditions. The biotinylated antibody is expected to exhibit the same species cross-reactivity as the unconjugated ULK1 (D8H5) Rabbit mAb #8054.					
MW (kDa)				150			
Background	mai exte don The loca (5). and Atg (8), can	mmalian homologs o ension and growth (1 nain followed by a ce e roles of ULK1 and L alized to neuronal gro Yeast two-hybrid stu I syntenin (6). Structu 1/Apg1 (7). Knockdo a catabolic process act as a convergence	f the <i>C. elegans</i> -4). Both protein entral proline/seri JLK2 in axon gro owth cones and a idies found ULK2 aral similarity of U wn experiments for the degradations point for multiper the second sec	NC-51-like kinase 1 and gene <i>unc-51</i> in which m s are widely expressed a ne rich domain and a hig with have been linked to are involved in endocyto //2 associated with mode JLK1/2 has also been re using siRNA demonstra on of bulk cytoplasmic o ole signals that control a ing phosphorylation stat	utants exhibited abno and contain an amino- ghly conserved carbox studies showing that sis of critical growth fa ulators of the endocyti cognized with the yea ted that ULK1 is essen- contents (9,10). It appe- utophagy (11), and ca	rmal axonal -terminal kinase ky-terminal domain. the kinases are actors, such as NGF ic pathway, SynGAP, ast autophagy protein ntial for autophagy ears that Atg1/ULK1 an bind to several	
Background Refere	2. K 3. Y 4. Y 5. Z 6. T 7. M 8. C 9. F 10. C 11. S 12. C 13. Y 14. K 15. L	Yan, J. et al. (1999) O Chou, X. et al. (2007) Omoda, T. et al. (2007) Matsuura, A. et al. (19 Chan, E.Y. et al. (2007) Reggiori, F. and Klions Codogno, P. and Meijo Stephan, J.S. and Heijo	1998) Genomics iochem Biophys Procogene 18, 589 Proconatl Acad 3 4) Genes Dev 18 997) Gene 192, 2 7) J Biol Chem 2 sky, D.J. (2002) C er, A.J. (2005) C rman, P.K. (2006) 00) Brain Res Mo 00) J Cell Sci 11 00) J Cell Biol 15 0 EMBO Rep 8, 3	5 51, 76-85. <i>Res Commun</i> 246, 222- 50-9. <i>Sci USA</i> 104, 5842-7. 3, 541-58. 245-50. 82, 25464-74. <i>Eukaryot Cell</i> 1, 11-21. <i>ell Death Differ</i> 12 Supp <i>D Autophagy</i> 2, 146-8. <i>ol Brain Res</i> 85, 1-12. 9, 3888-900. 0, 1507-13. 360-5.			

**Species Reactivity** 

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

1/1/24, 11:04 AM Western Blot Buffe	
Applications Key	0.1% Tween® 20 at 4°C with gentle shaking, overnight. <b>WB:</b> Western Blotting
Cross-Reactivity Ke	
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