#14723 Store at -20C

LC3C (D1R8V) Rabbit mAb



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Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 14	Source/Isotype: Rabbit IgG	UniProt ID: #Q9BXW4	Entrez-Gene Id: 440738	
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, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i>					
Specificity / Sensitivity		LC3C (D1R8V) Rabbit mAb recognizes endogenous levels of total LC3C protein. This antibody does not cross react with other LC3 isoforms.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu50 of human LC3C protein.					
Background	cont asso neu orig sub: Thre auto cyto syst The have In g	tents (1,2). Autopha ociated with a numb rodegenerative dise inally identified as a sequently found to come be human LC3 isofo ophagy (6-9). Cleave osolic LC3-I form. Do the involving Atg7 a presence of LC3 in e been used as indi	gy is generally acter of physiologic cases, infection, as subunit of microcontain similarity orms (LC3A, LC3) age of LC3 at the uring autophagy, and Atg3 that allow autophagosome cators of autophafof LC3C protein is	s lower than the other Lo	nutrient deprivation, bevelopment, differenting marker Light Chain ins 1A and 1B (termed 8/Aut7/Cvt5 critical for costtranslational modifications and through lipidation in the sociated with autophart to the lower migrous market in the lower migrous market market in the lower migrous market marke	out it has also been ation, 3 (LC3) was I MAP1LC3) (4) and r autophagy (5). ications during nesis yields the by a ubiquitin-like agic vesicles (6-10). rating form, LC3-II,	
Background Referer	1. Reggiori, F. and Klionsky, D.J. (2002) <i>Eukaryot. Cell</i> 1, 11-21. 2. Codogno, P. and Meijer, A.J. (2005) <i>Cell Death Differ.</i> 12 Suppl 2, 1509-18. 3. Levine, B. and Yuan, J. (2005) <i>J. Clin. Invest.</i> 115, 2679-88. 4. Mann, S.S. and Hammarback, J.A. (1994) <i>J. Biol. Chem.</i> 269, 11492-97. 5. Lang, T. et al. (1998) <i>EMBO J.</i> 17, 3597-607. 6. Kabeya, Y. et al. (2000) <i>EMBO J.</i> 19, 5720-28. 7. He, H. et al. (2003) <i>J. Biol. Chem.</i> 278, 29278-87. 8. Tanida, I. et al. (2004) <i>J. Biol. Chem.</i> 279, 47704-10. 9. Wu, J. et al. (2006) <i>Biochem. Biophys. Res. Commun.</i> 339, 437-42. 10. Ichimura, Y. et al. (2000) <i>Nature</i> 408, 488-92. 11. Kabeya, Y. et al. (2004) <i>J. Cell Sci.</i> 117, 2805-12.						

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 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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Limited Uses

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