Store at -20C

85156

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OFCP1 (E9R6P) Rabbit mAb		Cell Signaling
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 82	Source/Isotype: Rabbit IgG	UniProt ID: #Q9HBF4	Entrez-Gene Id 53349	
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. Do not aliquot the antibody.					
Specificity/Sens	sitivity	DFCP1 (E9R6P) Rabbit mAb recognizes endogenous levels of total DFCP1 protein.					
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val451 of human DFCP1 protein.				prresponding to	
Background		Double FYVE-containing protein 1 (DFCP1; gene name ZFYVE1), which was identified from a human bone marrow library, contains two carboxyl terminal FYVE domains that function as binding sites for phosphatidylinositol 3-phosphate (PI3P) (1). PI3P generated predominantly by the class III PI3-kinase VPS34 plays a key role in membrane trafficking as well as autophagy (2,3). DFCP1 is primarily localized to the Golgi and endoplasmic reticulum (ER) (4,5). However, during autophagy DFCP1 re-localizes to subdomains of the ER, the omegasome, which become the sites for autophagosome formation (6,7).					
Background Re	ferences	1. Derubeis, A.R. et al 2. Corvera, S. (2001) 7 3. Yan, Y. and Backer, 4. Ridley, S.H. et al. (2 5. Cheung, P.C. et al. (6. Itakura, E. and Mizu 7. McAlpine, F. et al. (2	<i>Traffic</i> 2, 859-66. J.M. (2007) <i>Biocherr</i> 001) <i>J Cell Sci</i> 114, 3 (2001) <i>Biochern J</i> 35 ushima, N. (2010) <i>A</i>	n <i>Soc Trans</i> 35, 239-41. 991-4000. 5, 113-21. <i>utophagy</i> 6, 764-76.			
Species Reactiv	ity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	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 Ke	y	W: Western Blotting					
Cross-Reactivit	у Кеу	H: Human M: Mouse	R: Rat				
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