Rab7 (E9O7E) Mouse mAb



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Applications: WB, IP, IHC-P, IF-F, IF- IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 23	Source/Isotype: Mouse IgG1	UniProt ID: #P51149	Entrez-Gene Id 7879	
Product Usage Information	Ap	plication		Dilution			
	We	Western Blotting				1:1000	
	Im	Immunoprecipitation				1:50	
	Im	Immunohistochemistry (Paraffin)				1:100 - 1:400	
	Im	munofluorescence (Frozen)	1:50 - 1:200			
	lm	munofluorescence (Immunocytochen	1:50 - 1:200			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20° C. Do not aliquot the antibody.					
Specificity / Sensit	ivity Rat	Rab7 (E9O7E) Mouse mAb recognizes endogenous levels of total Rab7 protein.					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide correspondence of Purification Monoclonal antibody is produced by immunizing animals with a synthetic peptide correspondence of Purification				esponding to		
Background	in la mei grov vac 6-pl	Rab7 and Rab9 are members of the Ras superfamily of small Rab GTPases (1). Both proteins are located in late endosomes, but exert different functions. Rab7 associates with the RIPL effector protein to control membrane trafficking from early to late endosomes and to lysosomes (2,3). Rab7 also helps to regulate growth receptor endocytic trafficking and degradation (3,4), and maturation of phagosome and autophagic vacuoles (4-6). Rab9 interacts with its effector proteins p40 and TIP47 (7,8) to promote the MPR (mannose 6-phosphate receptor)-associated lysosomal enzyme transport between late endosomes and the trans Golgi network (9,10).					
Background Refere	2. F 3. M 4. C 5. J 6. M 7. D 8. B 9. L	 Zerial, M. and McBride, H. (2001) Nat Rev Mol Cell Biol 2, 107-17. Feng, Y. et al. (1995) J Cell Biol 131, 1435-52. Méresse, S. et al. (1995) J Cell Sci 108 (Pt 11), 3349-58. Ceresa, B.P. and Bahr, S.J. (2006) J Biol Chem 281, 1099-106. Jäger, S. et al. (2004) J Cell Sci 117, 4837-48. Méresse, S. et al. (1999) EMBO J 18, 4394-403. Díaz, E. et al. (1997) J Cell Biol 138, 283-90. Barbero, P. et al. (2002) J Cell Biol 156, 511-8. Lombardi, D. et al. (1993) EMBO J 12, 677-82. Riederer, M.A. et al. (1994) J Cell Biol 125, 573-82. 					

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 nonfat dry

milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry)

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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