

Rab1A (D5F8M) Rabbit mAb



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Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 22	Source/Isotype: Rabbit IgG	UniProt ID: #P62820	Entrez-Gene Id: 5861
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, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Rab1A (D5F8M) Rabbit mAb recognizes endogenous levels of total Rab1A protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys103 of human Rab1A protein.				
Background		function in protein tra determined that Rab1 complex, and in early factor p115 to a cis-SI reticulum (3). A Rab1 protein GM130 and th vesicles with the Golg giantin (GOLGB1) and plays an important ro Golgi. As with other R by associated GEF and	ansport and membransport and membrans to a reg Golgi compartmen NARE complex asso- effector complex come is complex (4). Rab1. I golgin-84 to regulate ile in mediating the lab proteins, Rab1A d GAP factors (7-9).	ember of the Ras super ane restructuring (1). Eation between the endoplets (2). Rab1A binds and ciated with COPII-coated intaining several protein GRASP65, is essential for A also interacts with the ate Golgi structure form export of newly synthes function requires an intain addition to mediating chagosome formation (1).	arly immunofluores, asmic reticulum (ER recruits the COPII of the copies, including the ciser targeting and fusing and function (asized target proteins of the copies of t	cence studies and the Golgi complex tethering on the endoplasmic Golgi tethering on of COPII-coated ad docking proteins (5,6). Thus, Rab1A as from ER to the ag activity facilitated
Background References		1. Zerial, M. and McBride, H. (2001) <i>Nat Rev Mol Cell Biol</i> 2, 107-17. 2. Saraste, J. et al. (1995) <i>J Cell Sci</i> 108 (Pt 4), 1541-52. 3. Allan, B.B. et al. (2000) <i>Science</i> 289, 444-8. 4. Moyer, B.D. et al. (2001) <i>Traffic</i> 2, 268-76. 5. Koreishi, M. et al. (2013) <i>PLoS One</i> 8, e59821. 6. Satoh, A. et al. (2003) <i>Traffic</i> 4, 153-61. 7. Nuoffer, C. et al. (1994) <i>J Cell Biol</i> 125, 225-37. 8. Pind, S.N. et al. (1994) <i>J Cell Biol</i> 125, 239-52. 9. Haas, A.K. et al. (2007) <i>J Cell Sci</i> 120, 2997-3010. 10. Huang, J. et al. (2011) <i>Autophagy</i> 7, 17-26. 11. Lipatova, Z. et al. (2013) <i>Mol Biol Cell</i> , .				

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 M: Mouse R: Rat

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