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Phospho-AP2M1 (Thr156) (D4F3) Rabbit mAb



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Applications: W, IP, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Rabbit IgG	UniProt ID: #Q96CW1	Entrez-Gene Id: 1173
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence	(Immunocytochem	iistry)		Dilution 1:1000 1:100 1:50
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/Sen	sitivity	Phospho-AP2M1 (Thr156) (D4F3) Rabbit mAb recognizes endogenous levels of AP2M1 protein only when phosphorylated at Thr156.				
Species predict based on 100% homology		Mouse, Rat, Monkey				
Source / Purific	cation	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Thr156 of human AP2M1 protein.				
Background		receptor-mediated en of α , β , μ , and σ protei 2 complex and mediat carboxy-terminal AP2I cargo proteins and he based endocytotic sor (5,6). AP2M1 plays an and pathways involvir proteins (11). Phospho can regulate AP2M1 a	docytosis at the pla in subunits. The 50 tes interaction betw M1 region recogniz lps to bring the car ting signals can als essential role in mo g membrane recep orylation of specific ctivity (12,13). Phos	is an important compon asma membrane (1-3). Ea kDa µ subunit (AP-2µ, Al yeen the cargo protein a es the tyrosine-based, en go protein to the clathri o promote interaction b olecular signaling as it co otors (7-9), matrix metall AP2M1 residues and bir phorylation of AP2M1 at 2M1 to cargo protein sig	ach AP-2 heterotetr. P2M1) is located at nd the clathrin-coar ndocytotic sorting r n-coated pit. Non-c etween cargo prote oproteinases (10), a nding of lipids to th c Thr156 by adaptor	amer is composed the core of the AP- ted pit (1-4). The notif YXX¢ found in anonical, tyrosine- tins and AP2M1 diated endocytosis and ion channel is adaptor protein
Background Re	eferences	1. Kirchhausen, T. (200 2. Ohno, H. et al. (199 3. Traub, L.M. (2003) / 4. Boll, W. et al. (1996) 5. Royle, S.J. et al. (200 6. Royle, S.J. et al. (200 7. Chin, Y.R. and Horw 8. Wernick, N.L. et al. (200 7. Johannessen, L.E. et 10. Uekita, T. et al. (200 11. Chen, Z. et al. (200 12. Höning, S. et al. (21 13. Olusanya, O. et al. 14. Conner, S.D. and So	5) Science 269, 187: Cell Biol 163, 203-8 EMBO J 15, 5789-9 2) J Biol Chem 277, 5) J Cell Sci 118, 307 itz, M.S. (2005) J Vir 2005) J Biol Chem 2 al. (2006) Mol Cell 01) J Cell Biol 155, 1 6) Am J Respir Cell 005) Mol Cell 18, 51 (2001) Curr Biol 11	5. 35378-85. 73-80. Ø/79, 13606-17. 280, 7309-16. <i>Biol</i> 26, 389-401. 345-56. <i>Mol Biol</i> 35, 127-32. 9-31. , 896-900.		
Species Reactiv	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting I	P: Immunoprecipita	ation IF-IC: Immunofluor	escence (Immunoc	ytochemistry)

Cross-Reactivity Key	H: Human
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