Phospho-A Rabbit mA	AP2M1 (T \b	hr156) (D4	F3)		T E Orders:	II Signaling С Н N O L O G Y [®] 877-616-CELL (2355)
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Applications: WB, IP, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Rabbit IgG	UniProt ID: #Q96CW1	Entrez-Gene Id: 1173
Product Usage	Арр	olication				Dilution
Information	Wes	stern Blotting				1:1000
	Imm	nunoprecipitation				1:100
	Imm	nunofluorescence (I	mmunocytochem	nistry)		1:50
Storage	Supp 0.02 ⁰	olied in 10 mM sodi % sodium azide. St	um HEPES (pH 7 ore at –20°C. Do	7.5), 150 mM NaCl, 100 not aliquot the antibody	μg/ml BSA, 50% gly y.	cerol and less than
Specificity / Sensitivity		Phospho-AP2M1 (Thr156) (D4F3) Rabbit mAb recognizes endogenous levels of AP2M1 protein only when phosphorylated at Thr156.				
Species predicted react based on 100 sequence homolog	to Mous 0% 3y:	se, Rat, Monkey				
Source / Purification	on Mono resid	oclonal antibody is ues surrounding Th	produced by imm nr156 of human A	unizing animals with a P2M1 protein.	synthetic phosphope	eptide corresponding to
Background	The <i>λ</i> recep α, β, comp termi prote endo plays invol Phos AP21 stimu	AP-2 coat assembly otor-mediated endor μ , and σ protein su- plex and mediates in al AP2M1 region sins and helps to bricytotic sorting sign s an essential role in ving membrane reco- sphorylation of spec- M1 activity (12,13). Ilates affinity bindin	y protein complex ocytosis at the pla ibunits. The 50 kt nteraction betwee recognizes the ty ing the cargo pro als can also prom n molecular signa ceptors (7-9), mat cific AP2M1 residu Phosphorylation g of AP2M1 to ca	t is an important compo sma membrane (1-3). I Da μ subunit (AP-2μ, Af en the cargo protein an rosine-based, endocyto tein to the clathrin-coate note interaction between aling as it couples recep rix metalloproteinases (ues and binding of lipids of AP2M1 at Thr156 by argo protein signals (14)	nent of clathrin-coat Each AP-2 heterotetr P2M1) is located at t d the clathrin-coated tic sorting motif YXX ed pit. Non-canonica n cargo proteins and tor-mediated endoc (10), and ion channe s to this adaptor prot adaptor-associated).	ed pits involved in ramer is composed of he core of the AP-2 pit (1-4). The carboxy- (\$\phi\$ found in cargo I, tyrosine-based AP2M1 (5,6). AP2M1 ytosis and pathways I proteins (11). rein can regulate kinase 1 (AAK1)
Background Refer	ences 1. Kin 2. Oh 3. Tra 4. Bo 5. Ro 6. Ro 7. Ch 8. Wu 9. Jo 10. Ue 11. Ch 12. Hö 13. Ol 14. Co	rchhausen, T. (2002 nno, H. et al. (1995) aub, L.M. (2003) J ill, W. et al. (1996) i yyle, S.J. et al. (200 yyle, S.J. et al. (200 in, Y.R. and Horwit ernick, N.L. et al. (200 hannessen, L.E. et ekita, T. et al. (2006) ining, S. et al. (2006) ining, S. et al. (2006) usanya, O. et al. (2 ynner, S.D. and Sch	2) Cell 109, 413-6) Science 269, 18 Cell Biol 163, 203 EMBO J 15, 5789 (2) J Biol Chem 2 (5) J Cell Sci 118, z, M.S. (2005) J (005) J Biol Chen al. (2006) Mol Cell (2006) Mol Cell (2006) Mol Cell (2006) Mol Cell (2006) Mol Cell (2006) Mol Cell (2006) Mol Cell (2007) Mol Cell 18, 51 (2002) (2002) Mol Cell 20 (2002)	5. 72-5. 8-8. 9-95. 77, 35378-85. , 3073-80. Virol 79, 13606-17. n 280, 7309-16. ell Biol 26, 389-401. 1345-56. I Mol Biol 35, 127-32. 19-31. , 896-900. J Cell Biol 156, 921-9.		

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

1/1/24, 7:29 AM	Phospho-AP2M1 (Thr156) (D4F3) Rabbit mAb (#7399) Datasheet Without Images Cell Signaling Technology			
Western Blot But	t 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 IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)			
Cross-Reactivity	 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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