e at -20C	α-Adducin (D7T7R) Rabbit mAb	H.	Cell Signaling тесн N о L о д Y®
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For Research	Use Only	. Not for Use	in Diagnostic	Procedures.
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Applications: WB, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 120	Source/Isotype: Rabbit IgG	UniProt ID: #P35611	Entrez-Gene Id: 118	
Product Usage Information		Application Western Blotting Immunoprecipitation		Dilution 1:1000 1:50			
Storage	S 0	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 / Sensitivity		α -Adducin (D7T7R) Rabbit mAb recognizes endogenous levels of total α -adducin protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp643 of human α -adducin protein.					
Background	T pp re R vv re S S re S re p	The adducins (ADD) are c promote association betwee elated genes $ADD1$, ADD Research studies indicate whereas both α -adducin a egulated by phosphorylat Ser726 and β -adducin at S PKA (but not PKC) can ph upectrin-actin interactions egulates cell motility and Ser355 during mitosis lead nay play a role in mitotic r eabsorption, it is not surp polymorphisms and the de	ytoskeleton-as een spectrin ar 2, and <i>ADD3</i> e that β -adducin nd γ -adducin a ion at a numbe Ser713, which i osphorylate β - (3). Phosphory membrane ruff ds to associatio regulation (7). E rising that a nu evelopment of h	sociated proteins that h ad actin, and participate encode the α -adducin, β is found at high levels re ubiquitously express er of sites. Both PKA and inhibits calmodulin bind adducin at Ser408, Ser- vlation of α -adducin at T ling (6). Finally, CDK-1 on of α -adducin with the Because α -adducin play mber of studies show a hypertension (8-10).	elp cap the ends of act in synapse assembly. -adducin, and y-adduc in brain and hematopoi ed (2). Adducin protein d PKC can phosphoryla ng and adducin activity 436, and Ser481, which hr445 and Thr480 by F phosphorylation of α -ar mitotic spindle, sugges is a role in regulating re relationship between a	tin filaments, The three closely in proteins (1). ietic tissues, function is ate α -adducin at y (3-5). Additionally, n negatively affects Rho-kinase dducin at Ser12 and sting that α -adducin enal sodium ADD1 genetic	
Background Refere	ences 1 2 3 4 5 6 7 8 9 10	Matsuoka, Y. et al. (200 Joshi, R. et al. (1991) J Matsuoka, Y. et al. (199 Chen, C.L. et al. (2007) Naydenov, N.G. and Iva Fukata, Y. et al. (1999) Chan, P.C. et al. (2014) Kalita, J. et al. (2013) N Kundu, A. and Anand, A Watanabe, Y. et al. (201	0) Cell Mol Life Cell Biol 115, (6) J Biol Chem J Cell Sci 120, unov, A.I. (2010 J Cell Biol 145, J Cell Biol 204 eurol Res 35, 4 (2013) Cell B 0) Hypertens F	e Sci 57, 884-95. 665-75. 271, 25157-66. , 1157-67.) <i>Mol Biol Cell</i> 21, 3506 347-61. 4, 19-28. 129-34. <i>iochem Biophys</i> 65, 13- Res 33, 129-34.	-17. 9.		
Species Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western blot).					
Western Blot Buffer		IPORTANT: For western I 1% Tween® 20 at 4°C wi	estern blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 4°C with gentle shaking, overnight.				
Applications Key		WB: Western Blotting IP: Immunoprecipitation					
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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