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e at -20C	FEZ1 (D9R8Q) Rabbit mAb	HE-	Cell Signaling
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Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 65	Source/Isotype: Rabbit IgG	UniProt ID: #Q99689	Entrez-Gene Id: 9638
Product Usage Information	Apr Wes Imm	Dlication stern Blotting nunoprecipitation			Dilution 1:1000 1:100	
Storage	Supp 0.029	olied in 10 mM sodiu % 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% glyce ⁄.	rol and less than
Specificity / Sensit	ivity FEZ	1 (D9R8Q) Rabbit n	nAb recognizes e	endogenous levels of to	al FEZ1 protein.	
Source / Purificatio	on Mono resid	oclonal antibody is lues near the amino	produced by imm terminus of hum	nunizing animals with a shan FEZ1 protein.	synthetic peptide corre	sponding to
Background	The d predu- ident neuro autop fouro was sugg show whicl orga plays bindi polyu cdc2 autop	coiled-coil containin ominately in the bra iffied independently onal differentiation a phagy (reviewed in d to induce the neur also found to be an yest a role for FEZ1 vn to bind to severa h supports its role in nization (5-7). Addit is a role in viral defer ing partner for the u ubiquitination (11). N 0 provides a mecha phagy through asso	g protein fascicu in and is the mau in several intera and outgrowth, vi 1). It was origina ronal differentiatii interacting partn in schizophrenia I cytoskeletal pro n neurite outgrow ional research st nse, including du biquitin ligase E4 Moreover, degrad anism for FEZ1 in ociation with ULK	lation and elongation pr mmalian ortholog of the ction screens using dist ral defense, centrosom Ily identified as a bindin on of PC-12 cells when er with the schizophren as well as other mental teins, including kinesins th, cargo transport alon udies have shown that I ring HIV-1 infection (8-1 IB and showed that FEZ lation of FEZ1 by the ub o dendritic outgrowth (12 1 and Beclin-1 complex	otein zeta-1 (FEZ1) is <i>C. elegans</i> protein UN inct baits and was show e organization, cytoske g partner and substratu co-expressed with acti ia-associated protein E disorders (3,4). FEZ1 s, tubulins, JIP1, NEK1 g microtubules, and ce FEZ1 interacts with a v .0). Another screen ide 21 can be regulated thr oiquitination-proteasom 2). FEZ1 was also four es (13).	expressed IC-76. It was wn to play a role in eletal signaling, and for PKCζ and was ve PKCζ (2). FEZ1 DISC1, which may has also been , and CLASP2, entrosomal viral agnoprotein and entified FEZ1 as a rough hal pathway through d to regulate
Background Refere	ences 1. Ma 2. Ku 3. Mi 4. Ka 5. Fu 6. Bla 7. La 8. Su 9. Na 10. Ha 11. Ok 12. Wa 13. Mo	aturana, A.D. et al. (Iroda, S. et al. (1999 yoshi, K. et al. (2007) ang, E. et al. (2011) ijita, T. et al. (2007) asius, T.L. et al. (2007) asius, T.L. et al. (2007) Izuki, T. et al. (2007) aghavi, M.H. et al. (2007) aghavi, M.H. et al. (2007) addicke, J. et al. (2007) atanabe, Y. et al. (2007) CKnight, N.C. et al. (2007) addicke, S. et al. (2007) atanabe, Y. et al. (2007) atanab	(2010) Scientific 9) J Cell Biol 144 3) Mol Psychiatr Neuron 72, 559- Biochem Biophy 07) J Cell Biol 17 10) Mol Cell Biol 10) Mol Cell Biol 2005) Genes Der 009) Proc Natl Ac 04) J Biol Chem 014) Cell Rep 7, (2012) EMBO J 3	<i>VorldJournal</i> 10, 1646-5 , 403-11. y 8, 685-94. 71. <i>s Res Commun</i> 361, 60 '6, 11-7. <i>them</i> 338, 35-45. 0, 24948-56. <i>y</i> 19, 1105-15. <i>ad Sci U S A</i> 106, 1404 279, 53533-43. 552-64. 31, 1931-46.	54. 15-10. 0-5.	
Species Reactivity	Speci	es reactivity is dete	rmined by testing	in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffe	r IMPO 0.1%	RTANT: For wester Tween® 20 at 4°C	n blots, incubate with gentle shaki	membrane with diluted ng, overnight.	primary antibody in 5%	6 w/v BSA, 1X TBS,
Applications Key	WB:	Western Blotting IP	: Immunoprecipi	tation		

1/1/24, 12:18 PM Cross-Reactivity Key	 FEZ1 (D9R8Q) Rabbit mAb (#42480) Datasheet Without Images Cell Signaling Technology 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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