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Girdin Antibody		Ell Signaling
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com
00	Support:	877-678-TECH (8324)
#14200	Web:	info@cellsignal.com cellsignal.com
#	3 Trask Lane Danvers Ma	assachusetts 01923 USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: React WB, IP H	•	MW (kDa): 220, 250	Source: Rabbit	UniProt ID: #Q3V6T2	Entrez-Gene Id: 55704
Product Usage Information	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
Storage	Supplied in 10 mM sodiu 20°C. Do not aliquot the		5), 150 mM NaCl, 10	00 μg/ml BSA and 50% g	lycerol. Store at –
Specificity / Sensitivity	Girdin Antibody recogniz	zes endogenous le	vels of total girdin p	rotein.	
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu1451 of human girdin protein. Antibodies are purified by protein A and peptide affinity chromatography.			
Background Background References	The actin-binding protein (GEF) and part of a scaf structure includes an am domain, a Ga binding dd within a GEF motif (1-5) localization of girdin to th (3). After growth factor ro complex at the receptor and promotes downstrea growth factor phosphory docking site for PI3K bin resulting in further PI3K (7). The cytoskeletal reo several biological proces 1. Ghosh, P. et al. (2011 2. Simpson, F. et al. (2012 3. Enomoto, A. et al. (2013 3. Enomoto, A. et al. (2010 4. Le-Niculescu, H. et al 5. Ghosh, P. et al. (2010) 6. Lin, C. et al. (2011) So 7. Garcia-Marcos, M. et 8. Miyake, H. et al. (2012) 9. Kitamura, T. et al. (2003) 11. Weng, L. et al. (2010)	fold that mediates hino-terminal Hook omain, a PI(4)P-bir . Akt kinase phosp he membrane lead eceptor activation, cytoplasmic tail. T am signaling that re- lates girdin at its c hding (6). The girdin activation and the organization and ce sses, including word .) <i>Cell Adh Migr</i> 5, 1 .) <i>Colo</i> 5 <i>J Biol Che</i> .) <i>Mol Biol Cell</i> 21, <i>ci Signal</i> 4, ra64. al. (2009) <i>Proc Na</i> 1) <i>Circ Res</i> 108, 1 .) <i>Cancer Res</i> 68, 1	key signaling pathw domain for microtul nding domain, and a horylates girdin at S ling edge, and regula girdin binds both G- he activation comple esults in actin organ arboxy-terminal Tyr? n GEF motif interact completion of signa ell migration properti- und healing, angioge 237-48. 8. 9-402. 2338-54. 2338-54. 2338-54. 210-9. 0, 329-37. 310-8.	vays during cell migration pule interaction, a coiled carboxy-terminal recept er1416, which promotes ation of actin organizatio protein and receptor to f ex enhances receptor au ization and cell migration 1764 and Tyr1798 residu s with Gα and leads to re I transduction from recept es of girdin are importan enesis, and cancer progr	 (1). Girdin protein coil dimerization cor-binding domain PI(4)P binding, n and cell motility form an activation tophosphorylation n (5). An activated les to form an SH2 elease of Gβy, potor to cytoskeleton t in regulating
Species Reactivity	Species reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	estern blot).
Western Blot Buffer	IMPORTANT: For wester 0.1% Tween® 20 at 4°C			d primary antibody in 5%	6 w/v BSA, 1X TBS,
Applications Key	WB: Western Blotting IP	: Immunoprecipita	tion		

1/1/24, 10:25 AM	Girdin Antibody (#14200) Datasheet Without Images Cell Signaling Technology
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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