1/1/24, 7:03 AM Revision 1

EphA7 (D1C3K) Rabbit mAb			
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
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#64801	Web:	info@cellsignal.com cellsignal.com	
	3 Trask Lane Danvers Ma	ssachusetts 01923 USA	
For Research Use Only. Not for Use in Diagnostic Procedures.			

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 130	Source/Isotype: Rabbit IgG	UniProt ID: #Q15375	Entrez-Gene Id: 2045
Product Usage Information	-	plication estern Blotting			Dilution 1:1000	
	Imr	munoprecipitation			1:100	
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 / Sensiti	vity Eph	A7 (D1C3K) Rabbit	mAb recognizes	endogenous levels of to	otal EphA7 protein.	
Source / Purificatio		noclonal antibody is dues surrounding Le		uunizing animals with a s EphA7 protein.	synthetic peptide corre	esponding to
Background	into rece prot rece have sign func sign othe Eph play spin som	two groups based of eptors bind to a glycreins that have a transport of the additional stratege that have a transport of that have a tr	on sequence simi osylphosphatidyli nsmembrane and nay be involved ir RTK ligands, epl eceptor-expressir clustered (4). The cytoplasmic dom activate signaling eferentially binds duces apoptotic o gan developmen Il as urine tract in ning through ERI al center B cell lyn	a family of receptor tyros larity and on their prefer nositol-anchored ephrin l cytoplasmic domain (1. a many diseases includin nrins stimulate the kinas og cells. The ephrin extra e second function of eph ain becomes tyrosine p g pathways in the ligand ephrin-A5 as a ligand. T cell death through TNFR t during neural tube clos sertion (8-10). Secreted (activity reduction (11). mhomas. The secreted f 2-14).	ence for a subset of li A ligand, EphB recep ,2). Research studies ng cancer (3). Both ep e activity of Eph recep acellular domain is suf prins has been describ hosphorylated, allowir -expressing cells (5). This ligand-receptor int 1 and caspase-8 path sure, cortical dendritic EphA7 has been shor Silencing of the secre	gands. While EphA tors bind to ephrin B have shown that Eph hrin A and B ligands otors and activate ficient for this ed as "reverse ng interactions with teraction stimulates way (6,7). EphA7 development and wn to promote eted form of EphA7 is
Background Refere	nces 1. W 2. K 3. D 4. H 5. B 6. La 7. La 8. La 9. C 10. W 11. La 12. O 13. D	/ilkinson, D.G. (2000 lein, R. (2001) <i>Curr</i> odelet, V.C. and Par older, N. and Klein, rückner, K. et al. (19 ee, H. et al. (2013) <i>I</i> ee, H. et al. (2013) <i>I</i> ee, J. et al. (2013) <i>L</i> lifford, M.A. et al. (2 /eiss, A.C. et al. (20 ee, J. et al. (2015) S	D) Int Rev Cytol 1 Opin Cell Biol 13 squale, E.B. (200 R. (1999) Develo 997) Science 275 Mol Cells 35, 450 Mol Cells 38, 349 Dev Growth Differ 014) Proc Natl Ad 14) Development Stem Cell Reports (del, H.G. (2012) 2007) Oncogene	96, 177-244. , 196-203. 0) <i>Oncogene</i> 19, 5614- pment 126, 2033-44. , 1640-3. -5. -55. 55, 341-9. cad Sci U S A 111, 4994 141, 3420-30. 5, 480-9. <i>Cell Cycle</i> 11, 1076-80. 26, 4243-52.		
Species Reactivity	Spec	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., we	estern blot).

Western Blot Buffer

1/1/24, 7:03 AM	EphA7 (D1C3K) Rabbit mAb (#64801) Datasheet Without Images Cell Signaling Technology IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 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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