

EphA7 (D1C3K) Rabbit mAb



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Applications: W, IP	Reactivity:	Sensitivity: Endogenous	MW (kDa): 130	Source/Isotype: Rabbit IgG	UniProt ID: #Q15375	Entrez-Gene Id: 2045
Product Usage Information		Application Western Blotting Immunoprecipitation		<u>-</u>	Dilution 1:1000 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/Sensitivity		EphA7 (D1C3K) Rabbit mAb recognizes endogenous levels of total EphA7 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu914 of human EphA7 protein.				
Background		into two groups based EphA receptors bind t to ephrin B proteins tl shown that Eph recep ephrin A and B ligand receptors and activate is sufficient for this fu described as "reverse	d on sequence simil o a glycosylphosph nat have a transme tors and ligands mand s have dual functio e signaling pathway nction as long as it signaling", whereby	family of receptor tyros larity and on their prefer atidylinositol-anchored imbrane and cytoplasmic ay be involved in many cons. As RTK ligands, ephrosis in receptor-expressing is clustered (4). The second the cytoplasmic domain that may activate signal	rence for a subset of ephrin A ligand, Epl c domain (1,2). Rese diseases including of ins stimulate the king g cells. The ephrin e and function of eph n becomes tyrosine	of ligands. While the receptors bind earch studies have ancer (3). Both mase activity of Eph extracellular domain rins has been exphosphorylated,
		stimulates EphA7 sigr (6,7). EphA7 plays a cr development and spir shown to promote so secreted form of EphA	naling and induces a itical role in organ on the maturation as wo matic cell reprogran A7 is associated with	ephrin-A5 as a ligand. The apoptotic cell death thro development during neu ell as urine tract insertio mming through ERK acti n germinal center B cell Imor suppresor in lympl	ugh TNFR1 and cas ural tube closure, co n (8-10). Secreted E vity reduction (11). lymhomas. The sec	pase-8 pathway ortical dendritic phA7 has been Silencing of the
Background References		 Wilkinson, D.G. (2000) Int Rev Cytol 196, 177-244. Klein, R. (2001) Curr Opin Cell Biol 13, 196-203. Dodelet, V.C. and Pasquale, E.B. (2000) Oncogene 19, 5614-9. Holder, N. and Klein, R. (1999) Development 126, 2033-44. Brückner, K. et al. (1997) Science 275, 1640-3. Lee, H. et al. (2013) Mol Cells 35, 450-5. Lee, J. et al. (2015) Mol Cells 38, 349-55. Lee, J. et al. (2013) Dev Growth Differ 55, 341-9. Clifford, M.A. et al. (2014) Proc Natl Acad Sci U S A 111, 4994-9. Weiss, A.C. et al. (2014) Development 141, 3420-30. Lee, J. et al. (2015) Stem Cell Reports 5, 480-9. Oricchio, E. and Wendel, H.G. (2012) Cell Cycle 11, 1076-80. Dawson, D.W. et al. (2007) Oncogene 26, 4243-52. Oricchio, E. et al. (2011) Cell 147, 554-64. 				

Species Reactivity

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

Western Blot Buffer

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.

dry milk, 1X 1BS, 0.1% Tween® 20 at 4°C with gentle shaking, c

Applications Key

 $\textbf{W:} \ \textbf{Western Blotting IP:} \ \textbf{Immunoprecipitation}$

Cross-Reactivity Key

H: Human

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