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906

Dab2 (D7O9T) Rabbit mAb



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Applications: W, IP, IF-IC	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 96	Source/Isotype: Rabbit IgG	UniProt ID: #P98082	Entrez-Gene Id: 1601		
Product Usage Application Information Western Blotting Immunoprecipit Immunofluoresc		Application Western Blotting Immunoprecipitation Immunofluorescence	on ice (Immunocytochemistry)		Dilution 1:1000 1:50 1:1600 - 1:3200			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less tha 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				ol and less than		
Specificity/Sens	//Sensitivity Dab2 (D7O9T) Rabbit mAb recognizes endogenous levels of total Dab2 protein.							
Source / Purific	e / Purification Monoclonal antibody is produced by immunizing animals with a synthetic peptide correspondir residues surrounding Gly388 of human Dab2 protein.							
Background		Disabled homolog 2 (Dab2) is a mitogen responsive phosphoprotein that exerts multiple functions through association with numerous proteins. Dab2 modulates signaling pathways through interactions with proteins such as Smads and TGF- β receptors (1,2), axin (3), GRB (4), and Src (5). Dab2 also serves as a cargo-specific adaptor of clathrin-mediated endocytosis via interaction with clathrin (6), AP2 (7), NPXY-containing cargo (8-10), and myosin VI (11,12). In addition, Dab2 regulates cell adhesion by directly binding integrins (13,14). The diverse functions of Dab2 enable it to coordinate cell adhesion, cell motility, membrane trafficking, and signaling. Research studies have shown Dab2 is downregulated in a number of cancers, thereby suggesting a role as a tumor suppressor (15-17). Phosphorylation of Dab2 decreases its endocytotic function (18).						
Background Re	ferences	 Hocevar, B.A. et al. (2001) <i>EMBO J</i> 20, 2789-801. Hocevar, B.A. et al. (2005) <i>J Biol Chem</i> 280, 25920-7. Hocevar, B.A. et al. (2003) <i>EMBO J</i> 22, 3084-94. Xu, X.X. et al. (1998) <i>Oncogene</i> 16, 1561-9. Zhou, J. et al. (2003) <i>J Biol Chem</i> 278, 6936-41. Mishra, S.K. et al. (2002) <i>EMBO J</i> 21, 4915-26. Morris, S.M. and Cooper, J.A. (2001) <i>Traffic</i> 2, 111-23. Keyel, P.A. et al. (2006) <i>Mol Biol Cell</i> 17, 4300-17. Maurer, M.E. and Cooper, J.A. (2006) <i>J Cell Sci</i> 119, 4235-46. Maurer, M.E. and Cooper, J.A. (2005) <i>J Cell Sci</i> 118, 5345-55. Morris, S.M. et al. (2002) <i>Traffic</i> 3, 331-41. Hasson, T. (2003) <i>J Cell Sci</i> 116, 3453-61. Huang, C.L. et al. (2006) <i>J Cell Sci</i> 119, 4420-30. Teckchandani, A. et al. (2009) <i>J Cell Biol</i> 186, 99-111. Mok, S.C. et al. (1998) <i>Oncogene</i> 16, 2381-7. Anupam, K. et al. (2006) <i>World J Gastroenterol</i> 12, 6041-5. Bagadi, S.A. et al. (2007) <i>Breast Cancer Res Treat</i> 104, 277-86. Chetrit, D. et al. (2011) <i>J Biol Chem</i> 286, 5392-403. 						
Spacios Paastiv		Spacios reactivity is do	torminad by tasting	n in at least one approve	d application (o.g.	wastarn blat)		
Species Reactiv	ity	species reactivity is de	termined by testing	g in at least one approve	d application (e.g.,	western blot).		
Western Blot B	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Ke	y	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivity	у Кеу	H: Human M: Mouse R: Rat						
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