NME1/NDKA (D14H1) Rabbit mAb



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Applications: W	Reactivity: H M R Mk B	Sensitivity: Endogenous	MW (kDa): 16, 18	Source/Isotype: Rabbit IgG	UniProt ID: #P15531	Entrez-Gene Id 4830
Product Usage Information		Application Western Blotting			Dilution 1:1000	
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		NME1/NDKA (D14H1) Rabbit mAb detects endogenous levels of total NME1/NDKA protein. This antibody is predicted to cross-react with NME2/NDKB protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to a region surrounding Gly19 of human NME1/NDKA protein.				
		variety of tumor cell t (NDK) activity and cat nucleoside triphospho- biochemical activities GTP-binding protein f phosphotransferase a of cellular responses, (13). Because of its ro widely studied (14). N genes and share 90% can be phosphorylate channels ATP to AMPI	ypes (2). All NDK/NI alyze the phosphor ate to regulate a div have been describe function (7-9), DNA- activity (12). NDK/NI including developn le in metastasis sup DKA (NM23-H1) and sequence identity. ed by AMPKα1, but of Kα1. This regulates Mutation of NDKB	calization (1). Members of ME/NM23 proteins possed ylation of nucleoside dipwerse array of cellular eved, including protein-procassociated activities (10, ME proteins participate inent, differentiation, proppression and oncogened NDKB (NM23-H2) are estimated to the Two serine residues (Seionly phosphorylation at AMPKα1 activity towards/NM23-H2 at Ser122 (S12)	ess nucleoside diphohosphate to the coents (3). At least fount interactions (4) and histidine-diphohosphate regulation of oliferation, endocytosis, NDKA (NME1/Nencoded by adjacen 122 and Ser144) or Ser122 determines a ACC1, an importal	osphatase kinase rresponding ar classes of NDK -6), regulation of ependent protein a broad spectrum osis, and apoptosis M23-H1) has been to NME1 and NME2 in NDKA/NM23-H1 whether NDKA in regulator of fatty
Background References		 Lacombe, M.L. et al. (2000) <i>J Bioenerg Biomembr</i> 32, 247-58. Tee, Y.T. et al. (2006) <i>Taiwan J Obstet Gynecol</i> 45, 107-13. Ishikawa, N. et al. (2003) <i>J Bioenerg Biomembr</i> 35, 7-18. Paravicini, G. et al. (1996) <i>Biochem Biophys Res Commun</i> 227, 82-7. Reymond, A. et al. (1999) <i>Oncogene</i> 18, 7244-52. Subramanian, C. et al. (2001) <i>Nat Med</i> 7, 350-5. Zhu, J. et al. (1999) <i>Proc Natl Acad Sci USA</i> 96, 14911-8. Otsuki, Y. et al. (2001) <i>Proc Natl Acad Sci USA</i> 98, 4385-90. Palacios, F. et al. (2002) <i>Nat Cell Biol</i> 4, 929-36. Fan, Z. et al. (2003) <i>Cell</i> 112, 659-72. Postel, E.H. (2003) <i>J Bioenerg Biomembr</i> 35, 31-40. Wagner, P.D. and Vu, N.D. (2000) <i>Biochem J</i> 346 Pt 3, 623-30. Kimura, N. et al. (2000) <i>J Bioenerg Biomembr</i> 32, 309-15. Steeg, P.S. (2004) <i>J Natl Cancer Inst</i> 96, E4. Crawford, R.M. et al. (2006) <i>Mol Cell Biol</i> 26, 5921-31. Schaertl, S. et al. (1999) <i>J Biol Chem</i> 274, 20159-64. 				

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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey B: Bovine

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