

HDAC2 Antibody



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

Applications: W, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 60	Source/Isotype: Rabbit	UniProt ID: #Q92769	Entrez-Gene Id: 3066
Product Usage Information	•	Application Western Blotting Immunofluorescence	· (Immunocytochem	nistry)		Dilution 1:1000 1:100
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		HDAC2 Antibody detects endogenous levels of HDAC2 protein. The antibody does not cross-react with other HDAC proteins.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the carboxy terminus of the human HDAC2 protein. Antibodies are purified by peptide affinity chromatography.				
Background		accessibility of transc their large multiprote transcription (1,2). HA genes. In addition to these enzymes (3). In typically leads to repr three classes on the b 2, 3, and 8) are related related to yeast Hda1 of HDAC activity are n HDAC1 and HDAC2 ar remodeling and trans	ription factors to DI in complexes has your complexes intera histones, HATs can contrast, histone dession of gene activations of their similar do to the yeast Rpd3-like proteins, and cow being explored the highly homologous criptional repressions and country history his	omatin to adopt an "ope NA. The identification of ielded important insight to with sequence-specificacetylate nonhistone proeacetylation promotes a vity (4). Mammalian histority to various yeast deactlike proteins, those in class III proteins are related as potential therapeuticus and are involved in histori (8-10). Both proteins and deacetylatical	histone acetyltrans into how these er cactivator proteins oteins, suggesting i "closed" chromatir ne deacetylases caetylases (5). Class I ass II (HDACs 4, 5, 6 ted to the yeast procancer agents (6,7 stone deacetylation re found together	ferases (HATs) and azymes regulate to target specific multiple roles for a conformation and in be divided into proteins (HDACs 1, 5, 7, 9, and 10) are stein Sir2. Inhibitors h, chromatin in numerous
Background References		 Marmorstein, R. (2001) Cell Mol Life Sci 58, 693-703. Gregory, P.D. et al. (2001) Exp Cell Res 265, 195-202. Liu, Y. et al. (2000) Mol Cell Biol 20, 5540-53. Cress, W.D. and Seto, E. (2000) J Cell Physiol 184, 1-16. Gray, S.G. and Ekström, T.J. (2001) Exp Cell Res 262, 75-83. Thiagalingam, S. et al. (2003) Ann. N.Y. Acad. Sci. 983, 84-100. Vigushin, D.M. and Coombes, R.C. (2004) Curr Cancer Drug Targets 4, 205-18. Zhang, Y. et al. (1999) Genes Dev. 13, 1924-1935. Ng, H.H. et al. (1999) Nat. Genet. 23, 58-61. Zhang, Y. et al. (1997) Cell 89, 357-364. 				

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 IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: Human M: Mouse R: Rat Mk: Monkey

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