9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

HDAC1 polyclonal antibody

Catalog Number: PAB31334

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of HDAC1.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human HDAC1.

Host: Rabbit

Reactivity: Human,Mouse

Applications: ChIP, ChIP-Seq, ELISA, IF, WB-Ce, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Affinity purification

Recommend Usage: ELISA (1:4000)
Western Blot (1:1000)
ChIP (2 ug/ChIP)
Immunofluorescence (1:500)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.05% sodium azide, 0.05% proclin 300).

Storage Instruction: Store at -20°C. For long term storage store at -80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3065

Gene Symbol: HDAC1

Gene Alias: DKFZp686H12203, GON-10, HD1, RPD3, RPD3L1

Gene Summary: Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq]

References:

1. Kr?ppel-like Transcription Factor KLF10 Suppresses TGF?-Induced Epithelial-to-Mesenchymal Transition via a Negative Feedback Mechanism. Mishra VK, Subramaniam M, Kari V, Pitel KS, Baumgart SJ, Naylor RM, Nagarajan S, Wegwitz F, Ellenrieder V, Hawse JR, Johnsen SA. Cancer Res. 2017 May 1;77(9):2387-2400.
2. HDAC1 negatively regulates Bdnf and Pvalb required for parvalbumin interneuron maturation in an experience-dependent manner. Koh DX, Sng JC. J Neurochem. 2016 Nov;139(3):369-380.
3. Genome-wide hydroxymethylcytosine pattern changes in response to oxidative stress. Delatte B, Jeschke J, Defrance M, Bachman M, Creppe C, Calonne E, Bizet M, Deplus R, Marroqui L, Libin M, Ravichandran M, Mascart F, Eizirik DL, Murrell A, Jurkowski TP, Fuks F. Sci Rep. 2015 Aug 4;5:12714.