

anti- HDAC1 antibody

Product Information

Catalog No.:	FNab03793
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	9H10
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones(H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Deacetylates SP proteins, SP1 and SP3, and regulates their function. Component of the BRG1-RB1-HDAC1 complex, which negatively regulates the CREST-mediated transcription in resting neurons. Upon calcium stimulation, HDAC1 is released from the complex and CREBBP is recruited, which facilitates transcriptional activation. Deacetylates TSHZ3 and regulates its transcriptional repressor activity. Deacetylates 'Lys-310' in RELA and thereby inhibits the transcriptional activity of NF-kappa-B. Deacetylates NR1D2 and abrogates the effect of KAT5-mediated relieving of NR1D2 transcription repression activity. Component of a RCOR/GFI/KDM1A/HDAC complex that suppresses, via histone deacetylase(HDAC) recruitment, a number of genes implicated in multilineage blood cell development. Involved in CIART-mediated transcriptional repression of the circadian transcriptional activator: CLOCK-ARNTL/BMAL1 heterodimer. Required for the transcriptional repression of circadian target genes, such as PER1, mediated by the large PER complex or CRY1 through histone deacetylation.

Immunogen information

1

Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 GaoxinAve.East Lake High-Tech Development Zone.Wuhan, Hubei, China(430206)

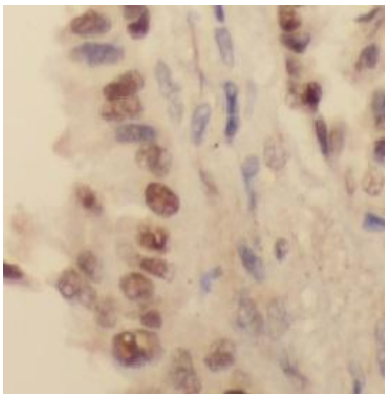
Tel : (0086)027-87384275

Fax: (0086)027-87800889 www.fn-test.com

Immunogen: histone deacetylase 1
Synonyms: DKFZp686H12203, GON 10, HD1, HDAC1, histone deacetylase 1, RPD3, RPD3L1
Observed MW: 60 kDa
UniprotID : Q13547

Application

Reactivity: Human, Mouse, Rat
Tested Application: ELISA, WB, IHC, IF
Recommended dilution: WB: 1:10000 - 1:50000; IHC: 1:100 - 1:200; IF: 1:50 - 1:200
Image:



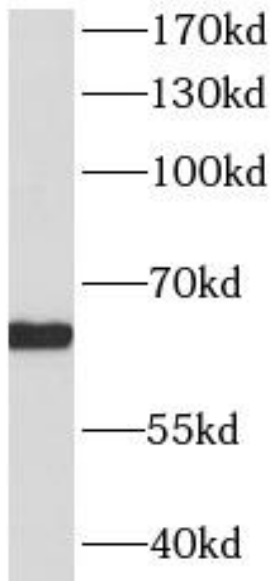
Immunohistochemistry of paraffin-embedded human lung cancer using FNab03793(HDAC1 antibody) at dilution of 1:200

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HepG2 cells were subjected to SDS PAGE followed by western blot with FNab03793(HDAC1 antibody) at dilution of 1:30000