

HDAC1 (Acetyl Lys432) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP10352
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human HDAC1 (Acetyl Lys432)
Mol wt	53020
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	HDAC1
Synonyms	HDAC1 ;Acetyl Lys432; Histone deacetylase 1; HD1; EC 3.5.1.98

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Catalytic activity:Hydrolysis of an N(6)-acetyl-lysine residue of a histone to yield a deacetylated histone.|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.|PTM:Phosphorylation on Ser-421 and Ser-423 promotes enzymatic activity and interactions with NuRD and SIN3 complexes.|PTM:Sumoylated on Lys-444 and Lys-476; which promotes enzymatic activity. Desumoylated by SENP1.|Belongs to the histone deacetylase family. Type 1 subfamily.|subunit:Part of the core histone deacetylase (HDAC) complex composed of HDAC1| HDAC2| RBBP4 and RBBP7. The core complex associates with MTA2| MBD2| MBD3| MTA1L1| CHD3 and CHD4 to form the nucleosome remodeling and histone deacetylation (NuRD) complex| or with SIN3| SAP18 and SAP30 to form the SIN3 HDAC complex. Component of a BHC histone deacetylase complex that contains HDAC1| HDAC2| HMG20B/BRAF35| AOF2/LSD1| RCOR1/CoREST and PHF21A/BHC80. The BHC complex may also contain ZMYM2| ZNF217| ZMYM3| GSE1 and GTF2L. Associates with the 9-1-1 complex; interacts with HUS1. Found in a complex with DNMT3A and HDAC7. Interacts with BCOR| BRMS1L| DAXX| DNMT1| EP300| HCFC1| NFE4| PCAF| PHB2| MIER1| KDM4A| MINT| NRIP1| PRDM6| RERE| SETDB1| SUV39H1| TGIF| TGIF2| UHRF1| UHRF2 and ZNF541. Interacts with the non-histone region of H2AFY. Interacts with HDAC9. Component of a mSin3A corepressor complex that contains SIN3A| SAP130| SUDS3/SAP45| ARID4B/SAP180| HDAC1 and HDAC2. Interacts with BANP| CBFA2T3 and KDM5B. Interacts with SAP30L. Interacts with E4F1. Interacts with KFL1 (By similarity). Interacts with SV40 large T antigen.|tissue specificity:Ubiquitous| with higher levels in heart| pancreas and testis| and lower levels in kidney and brain.|

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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