Datasheet for ABIN6952382

anti-HDAC3 antibody (C-Term)

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Overview

Quantity:	50 µg
Target:	HDAC3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC3 antibody is un-conjugated
Application:	ELISA, Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Immunogen:	synthetic peptide
Specificity:	Polyclonal antibody raised in rabbit against human HDAC3 (Histone deacetylase 3), using two KLH-conjugated synthetic peptides from the central and the C-terminal part of the protein, respectively.
Purification:	Peptide affinity purified

Target Details

Target:	HDAC3
Alternative Name:	HDAC3 (HDAC3 Products)
Background:	HDAC3 (UniProt/Swiss-Prot entry O15379) catalyses the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) and on some other non-histone

Target Details

	substrates. Acetylation and deacetylation of these highly conserved lysine residues is important for the control of gene expression. When tethered to a promoter, HDAC3 represses transcription and therefore plays an important role in transcriptional regulation, cell cycle progression and developmental events. HDAC3 probably participates in the regulation of transcription through its binding to the YY1 transcription factor, increasing YY1 repression. HDAC3 also downregulates p53 and is considered a potential tumor suppressor gene.
UniProt:	O15379
Pathways:	Neurotrophin Signaling Pathway, Regulation of Lipid Metabolism by PPARalpha, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	ChIP/ChIP-seq 2 µg:ChIP ELISA 1:10,000 WB not recommended
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.7 µg/µL
Buffer:	PBS, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C