



Datasheet for ABIN7155310
anti-HDAC3 antibody (AA 1-428)



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5 Images

Overview

Quantity:	100 µg
Target:	HDAC3
Binding Specificity:	AA 1-428
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant Human Histone deacetylase 3 protein (1-428AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	HDAC3
Alternative Name:	HDAC3 (HDAC3 Products)
Background:	Background: Responsible for the deacetylation of lysine residues on the N-terminal part of the

Target Details

core histones (H2A, H2B, H3 and H4), and some other non-histone substrates. 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. Participates in the BCL6 transcriptional repressor activity by deacetylating the H3 'Lys-27' (H3K27) on enhancer elements, antagonizing EP300 acetyltransferase activity and repressing proximal gene expression. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1, increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation.

Aliases: HD3 antibody, HDAC 3 antibody, HDAC3 antibody, HDAC3_HUMAN antibody, Histone deacetylase 3 antibody, RPD3 2 antibody, RPD3 antibody, RPD3-2 antibody, SMAP45 antibody

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: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

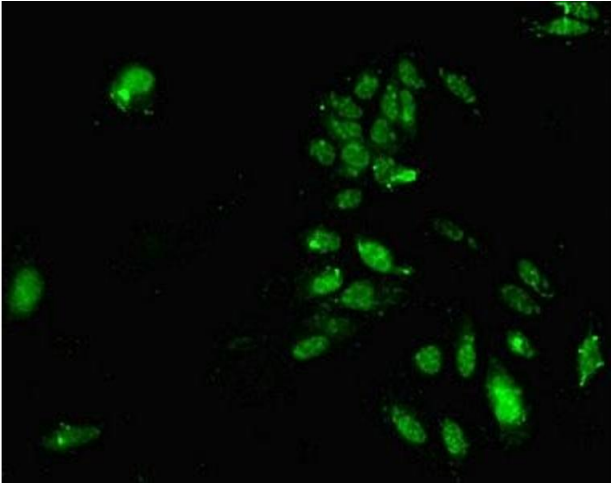
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

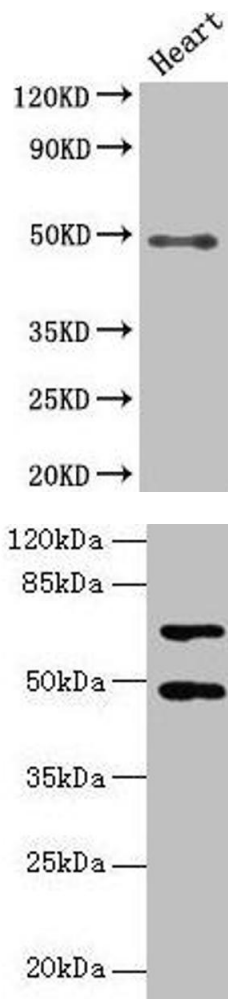
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of HeLa cells using ABIN7155310 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse heart tissue All lanes: HDAC3 antibody at 2.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 49, 50 kDa Observed band size: 49 kDa

Western Blotting

Image 3. Western blot All lanes: HDAC3 antibody at 2 µg/mL + HeLa whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 49, 50 kDa Observed band size: 49 kDa

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7155310.