

Datasheet for ABIN7267709

anti-HDAC3 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	HDAC3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HDAC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	HDAC3 Rabbit mAb
Immunogen:	A synthesized peptide derived from human HDAC3.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	HDAC3
Alternative Name:	HDAC3 (HDAC3 Products)
Background:	Histones play a critical role in transcriptional regulation, cell cycle progression, and

Target Details

developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene. [provided by RefSeq, Jul 2008],HD3,RPD3,RPD3-2,HDAC3,Apoptosis,Cancer,Cardiovascular,Cell Biology & Developmental Biology,Cell Cycle,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,G1/S Checkpoint,Heart,Heart_Hypertrophy,Immunology & Inflammation,Lipid Metabolism,Lipids,NF-kB Signaling Pathway,Notch Signaling Pathway,Nuclear Receptor Signaling,Signal Transduction,Stem Cells,Tumor suppressors,Wnt/ β -Catenin Signaling Pathway,HDAC3

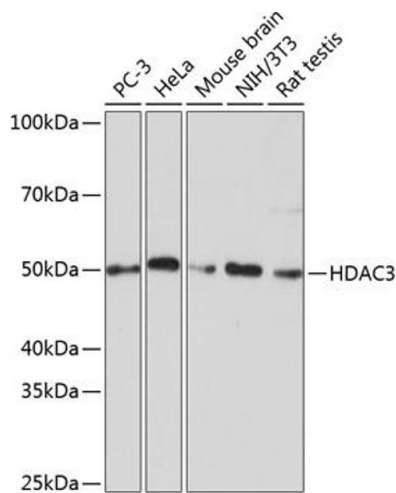
Molecular Weight:	49kDa
Gene ID:	8841
UniProt:	O15379
Pathways:	Neurotrophin Signaling Pathway , Regulation of Lipid Metabolism by PPARalpha , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Restrictions:	For Research Use only

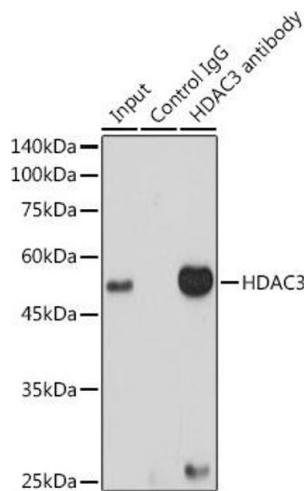
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using HD antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 min.



Immunoprecipitation

Image 2. Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg HD antibody. Western blot was performed from the immunoprecipitate using HD at a dilution of 1:1000.