

Datasheet for ABIN5542326
anti-HDAC4 antibody (AA 456-592)



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5 Images

Overview

Quantity:	100 µL
Target:	HDAC4
Binding Specificity:	AA 456-592
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HDAC4 antibody is un-conjugated
Application:	ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	HDAC4 Antibody
Immunogen:	Purified recombinant fragment of human HDAC4 (AA: 456-592) expressed in E. Coli.
Clone:	7E2E6
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	HDAC4
Alternative Name:	HDAC4 (HDAC4 Products)
Background:	Description: 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 class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3.

Aliases: HD4, AHO3, BDMR, HDACA, HA6116, HDAC-4, HDAC-A

Molecular Weight: 119kDa

Gene ID: 9759

HGNC: 9759

UniProt: [P56524](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: ELISA: 1/10000
FCM: 1/200 - 1/400
ICC: 1/200 - 1/1000

Restrictions: For Research Use only

Handling

Format: Liquid

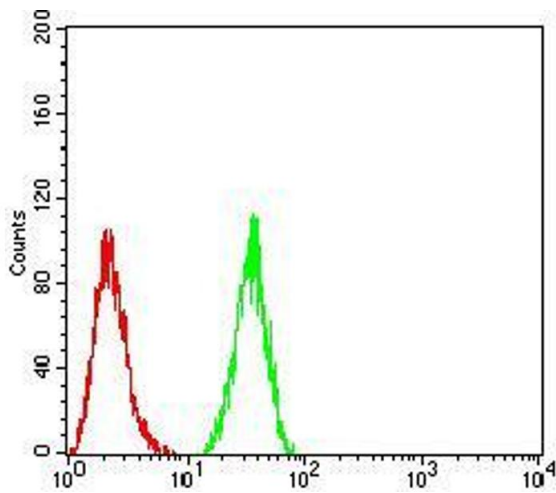
Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

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

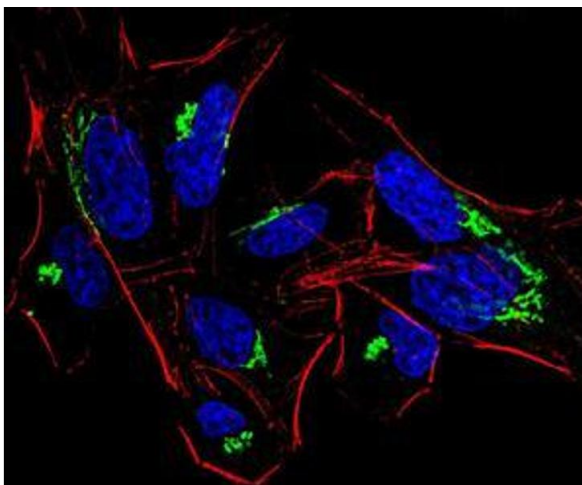
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



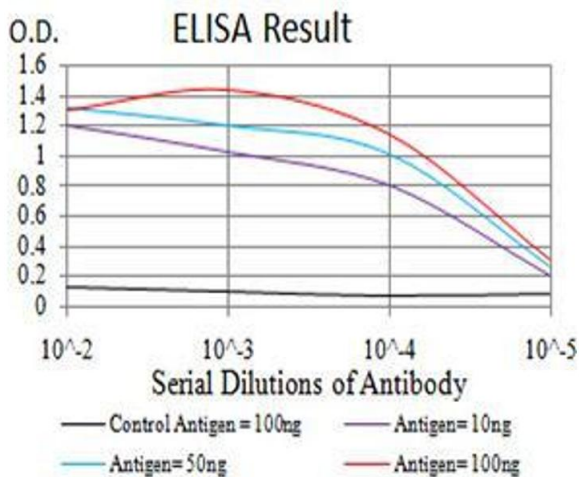
Flow Cytometry

Image 1. Flow cytometric analysis of HeLa cells using HDAC4 mouse mAb (green) and negative control (red).



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cells using HDAC4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5542326.