

Datasheet for ABIN3031231  
**anti-HDAC4 antibody (AA 1049-1077)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	0.4 mL
Target:	HDAC4
Binding Specificity:	AA 1049-1077
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	A portion of amino acids 1049-1077 from the human protein was used as the immunogen for this HDAC4 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

## Target Details

Target:	HDAC4
Alternative Name:	HDAC4 ( <a href="#">HDAC4 Products</a> )
Background:	Histones play a critical role in transcriptional regulation, cell cycle progression, and 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

## Target Details

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.

UniProt: [P56524](#)

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

## Application Details

Application Notes: Titration of the HDAC4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

## Handling

Format: Liquid

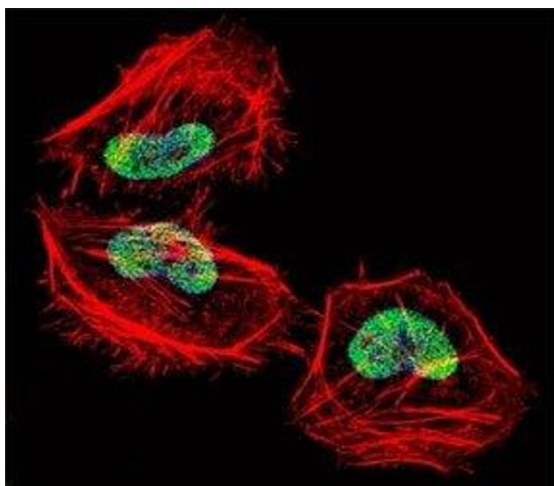
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

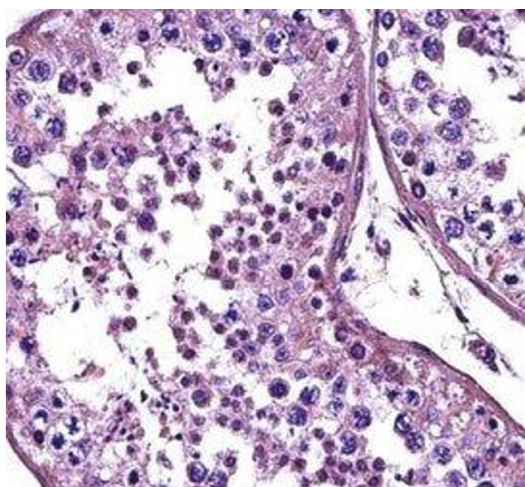
Storage: -20 °C

Storage Comment: Aliquot the HDAC4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



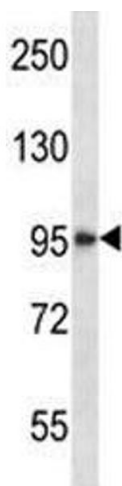
#### Immunofluorescence

**Image 1.** Fluorescent confocal image of HeLa cell stained with HDAC4 antibody at 1:25. HDAC4 immunoreactivity is localized to the nucleus.



#### Immunohistochemistry

**Image 2.** HDAC4 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue.



#### Western Blotting

**Image 3.** HDAC4 antibody western blot analysis in NCI-H292 lysate

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031231.