

Datasheet for ABIN7155314  
**anti-HDAC4 antibody (AA 1-227)**



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1 Image

## Overview

Quantity:	100 µg
Target:	HDAC4
Binding Specificity:	AA 1-227
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDAC4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Histone deacetylase 4 protein (1-227AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	HDAC4
Alternative Name:	HDAC4 ( <a href="#">HDAC4 Products</a> )
Background:	Background: Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic

## Target Details

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. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer. Deacetylates HSPA1A and HSPA1B at '\\Lys-77\\' leading to their preferential binding to co-chaperone STUB1 (PubMed:27708256).

Aliases: AHO3 antibody, BDMR antibody, EC 3.5.1.98 antibody, HA6116 antibody, HD 4 antibody, HD4 antibody, HDAC 4 antibody, HDAC A antibody, HDAC4 antibody, HDAC4\_HUMAN antibody, HDACA antibody, Histone deacetylase 4 antibody, Histone Deacetylase A antibody, KIAA0288 antibody

UniProt: [P56524](#)

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

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

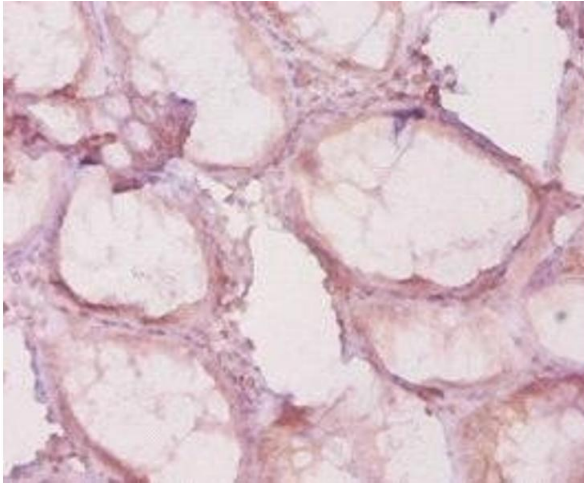
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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.



#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7155314 at dilution of 1:20