

Datasheet for ABIN5557481  
**anti-HDAC4 antibody**



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2 Images

## Overview

Quantity:	100 µL
Target:	HDAC4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HDAC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	Recombinant human HDAC4 protein, around C-terminal 100aa.
Clone:	6B10
Isotype:	IgG
Purification:	Purified by Protein A.

## 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 of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and

## Target Details

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. [provided by RefSeq, Jul 2008].

Synonyms: HDAC4Ser246, HDAC4S246, p-HDAC4Ser246, p-HDAC4S246, HD 4, HD4, HDAC 4, HDAC A, HDACA, Histone Deacetylase 4, Histone Deacetylase A, KIAA0288, EC 3.5.1.98, HA6116, HDA4\_CAEEL, Histone deacetylase 4, CeHDA-7, Histone deacetylase 7.

Gene ID: 9759

UniProt: [P56524](#)

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

## Application Details

Application Notes: WB 1:1000-2000

IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

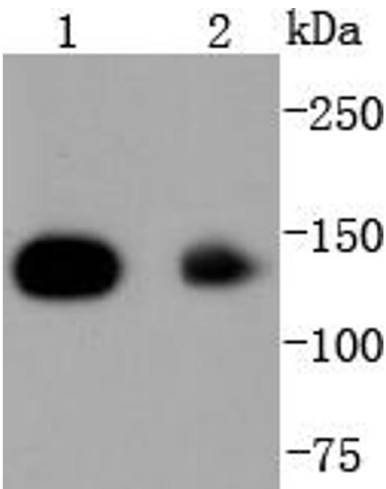
Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

Storage: -20 °C

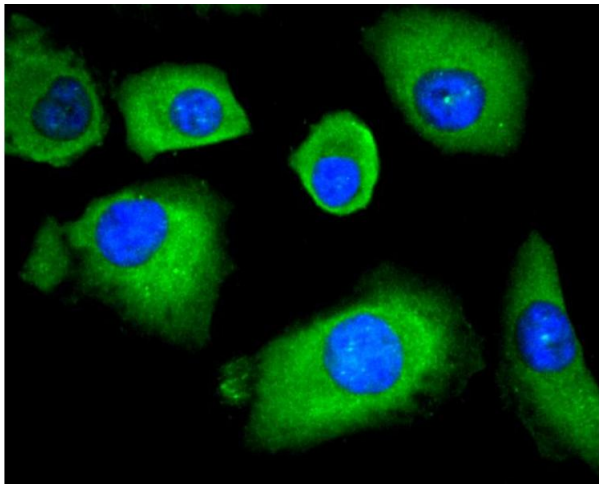
Storage Comment: Store at -20°C

Expiry Date: 12 months



#### Western Blotting

**Image 1.** Lane 1: Hela, Lane 2: HepG2 lysate probed with HDAC4 (6B10) Monoclonal Antibody at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody.



#### Immunofluorescence (Cultured Cells)

**Image 2.** A549 cells were stained with HDAC4 (6B10) Monoclonal Antibody at [1:200] incubated overnight at 4C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.