

# HDAC4 Rabbit pAb

Catalog No.: A7951 **1 Publications**

## Basic Information

### Observed MW

140kDa

### Calculated MW

119kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## 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 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.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

9759

### Swiss Prot

P56524

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human HDAC4 (NP\_006028.2).

### Synonyms

HD4; AHO3; BDMR; HDACA; HA6116; HDAC-4; HDAC-A; NEDCHF; NEDCHID; HDAC4

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

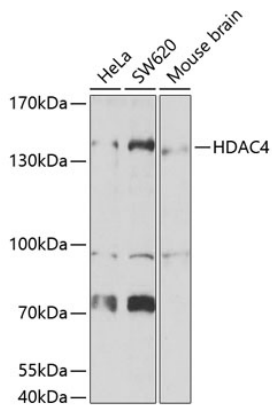
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of various lysates using HDAC4 Rabbit pAb (A7951) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.