

# HDAC4 Rabbit Polyclonal Antibody



CAB7951

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

140kDa

### Calculated MW:

106kDa/119kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Protein 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.

## Immunogen information

### Gene ID:

9759

### Uniprot

P56524

### Synonyms:

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

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

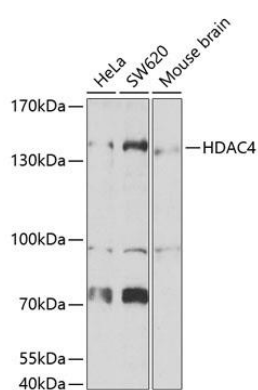
A synthetic peptide corresponding to a sequence within amino acids 1-100 of human HDAC4 (NP\_006028.2).

### Storage:

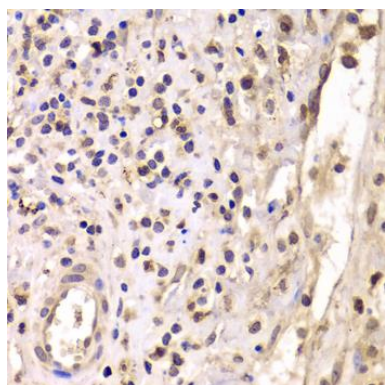
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

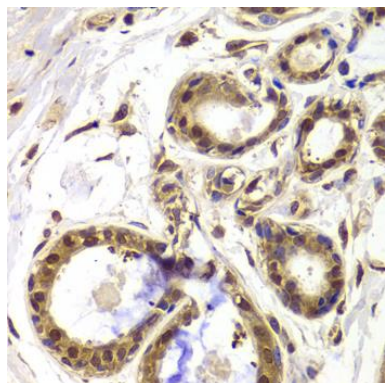
---



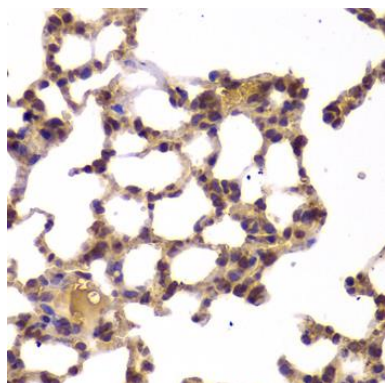
Western blot analysis of extracts of various cell lines, using HDAC4 antibody (CAB7951) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human breast cancer using HDAC4 Antibody (CAB7951) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human breast using HDAC4 Antibody (CAB7951) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using HDAC4 Antibody (CAB7951) at dilution of 1:100 (40x lens).