

# HDAC5 Rabbit Polyclonal Antibody



CAB0632

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

132kDa

### Calculated MW:

112kDa/121kDa/122kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## 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

## 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 the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene.

## Immunogen information

### Gene ID:

10014

### Uniprot

Q9UQL6

### Synonyms:

HDAC5; HD5; NY-CO-9

### Immunogen:

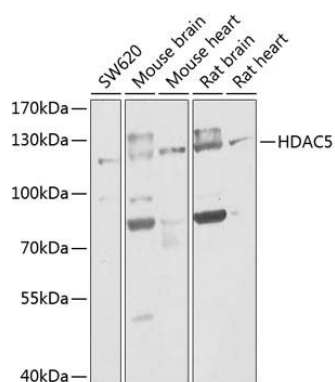
A synthetic peptide corresponding to a sequence within amino acids 550-650 of human HDAC5 (NP\_005465.2).

### Storage:

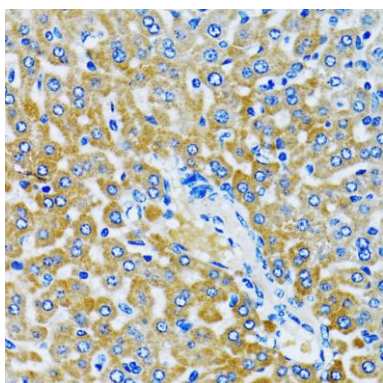
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

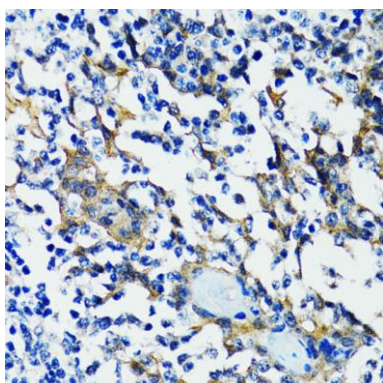
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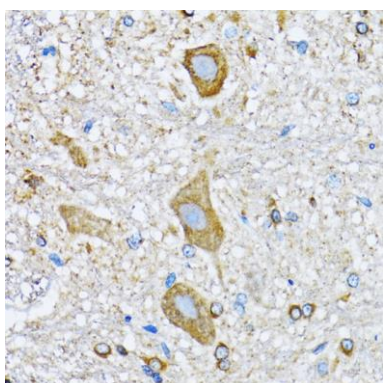
Western blot analysis of extracts of various cell lines, using HDAC5 antibody (CAB0632) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunohistochemistry of paraffin-embedded rat liver using HDAC5 antibody (CAB0632) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human tonsil using HDAC5 antibody (CAB0632) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spinal cord using HDAC5 antibody (CAB0632) at dilution of 1:100 (40x lens).