

# HDAC2 Rabbit mAb

Catalog No.: A22426

Recombinant

1 Publications

## Basic Information

### Observed MW

60kDa

### Calculated MW

55kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IF/ICC, IP, ELISA, ChIP

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0105

## Background

This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IHC-P** 1:50 - 1:200

**IF/ICC** 1:50 - 1:200

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
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requirements.

**ChIP** 5µg antibody for

## Immunogen Information

### Gene ID

3066

### Swiss Prot

Q92769

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 389-488 of human HDAC2 (Q92769).

### Synonyms

HD2; RPD3; YAF1; KDAC2; HDAC2

## 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, 0.05% BSA, 50% glycerol, pH7.3.

10 $\mu$ g-15 $\mu$ g of Chromatin

## Contact

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 | 400-999-6126

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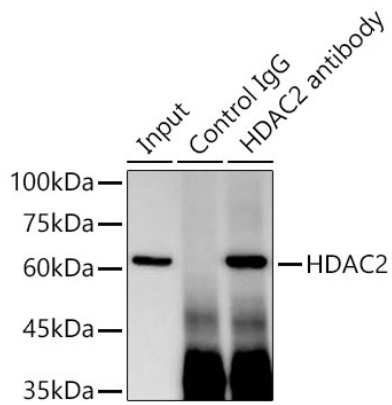
 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

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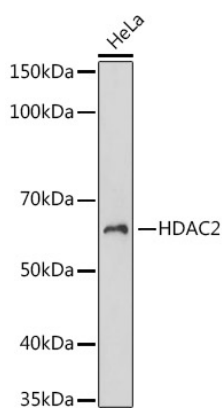
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

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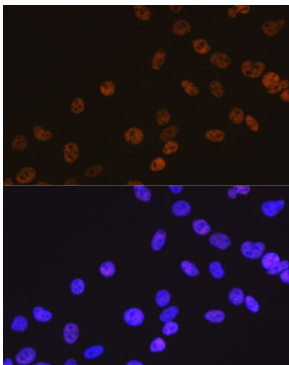
## Validation Data



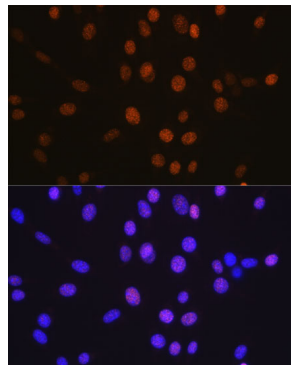
Immunoprecipitation analysis of 300µg extracts from HeLa cells using 3µg HDAC2 Rabbit mAb (A22426). Western blot was performed from the immunoprecipitate using HDAC2 Rabbit mAb (A22426) at a dilution of 1:500.



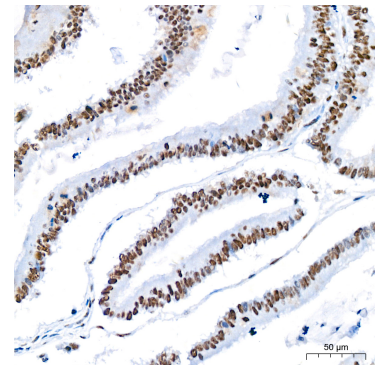
Western blot analysis of lysates from HeLa cells, using HDAC2 Rabbit mAb (A22426) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunofluorescence analysis of C6 cells using HDAC2 Rabbit mAb (A22426) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

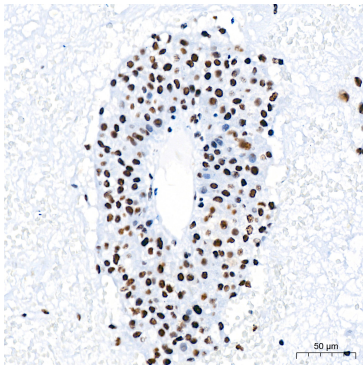


Immunofluorescence analysis of NIH/3T3 cells using HDAC2 Rabbit mAb (A22426) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

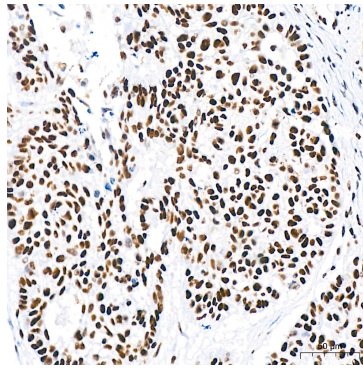


Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using HDAC2 Rabbit mAb (A22426) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

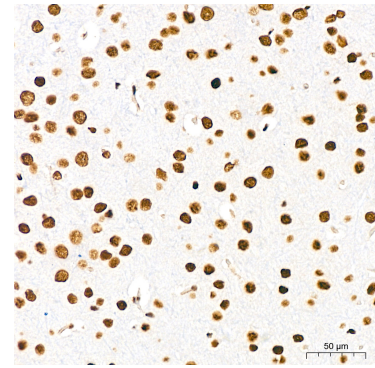
## Validation Data



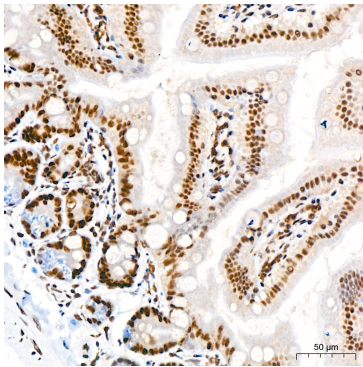
Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using HDAC2 Rabbit mAb (A22426) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



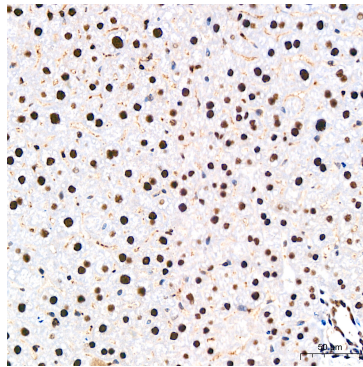
Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using HDAC2 Rabbit mAb (A22426) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



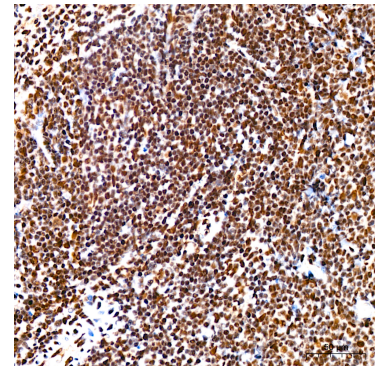
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using HDAC2 Rabbit mAb (A22426) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



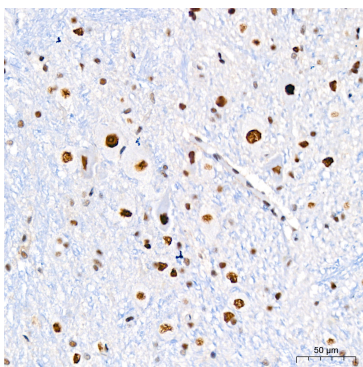
Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using HDAC2 Rabbit mAb (A22426) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



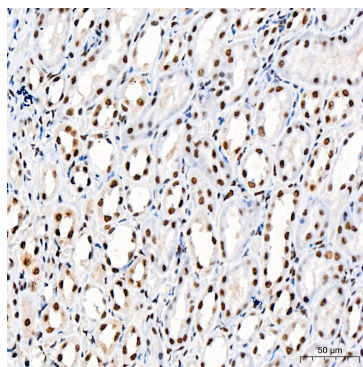
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using HDAC2 Rabbit mAb (A22426) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using HDAC2 Rabbit mAb (A22426) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using HDAC2 Rabbit mAb (A22426) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using HDAC2 Rabbit mAb (A22426) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.