

# HDAC2 Rabbit pAb

Catalog No.: A2084

21 Publications

## Basic Information

### Observed MW

60kDa

### Calculated MW

55kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IP,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## 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

**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.

## Immunogen Information

### Gene ID

3066

### Swiss Prot

Q92769

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

HD2; RPD3; YAF1; KDAC2; HDAC2

## Contact

☎ | 400-999-6126

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

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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

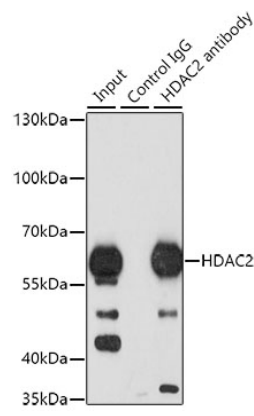
Affinity purification

### Storage

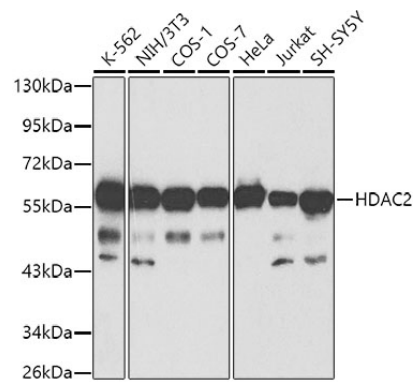
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

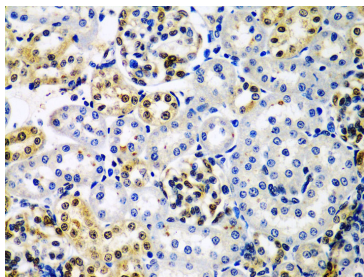
Validation Data



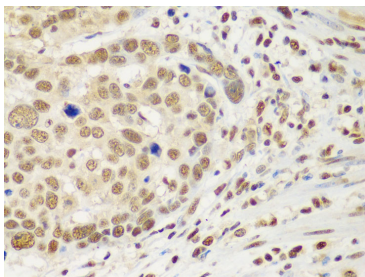
Immunoprecipitation analysis of 200 µg extracts of K562 cells using 1 µg HDAC2 antibody (A2084). Western blot was performed from the immunoprecipitate using HDAC2 antibody (A2084) at a dilution of 1:1000.



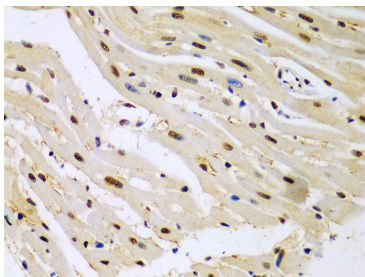
Western blot analysis of various lysates using HDAC2 Rabbit pAb (A2084) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using HDAC2 Rabbit pAb (A2084) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using HDAC2 Rabbit pAb (A2084) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart using HDAC2 Rabbit pAb (A2084) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.