# HDAC3 Rabbit pAb

**Catalog NO.: A2139SP** **16 Publications**

## Basic Information

### Observed MW
49 kDa

### Calculated MW
49 kDa

### Category
Polyclonal Antibodies

### Applications
WB, IF/ICC, IHC-P, ELISA

### Cross-Reactivity
Human, Mouse, Rat

### Conjugation
Unconjugated

## 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 histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:1000 - 1:3000 |
| **IF/ICC** | 1:100 - 1:400 |
| **IHC-P** | 1:500 - 1:2000 |

### ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (⩾1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID
8841

### Swiss Prot
O15379

### Immunogen
This information is considered to be commercially sensitive.

### Synonyms
HD3; RPD3; KDAC3; RPD3-2; HDAC3

## Contact

## Product Information

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www.abclonal.com

**Source**
Rabbit

**Isotype**
IgG

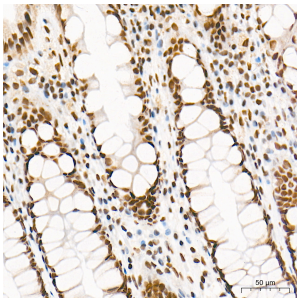
**Purification**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

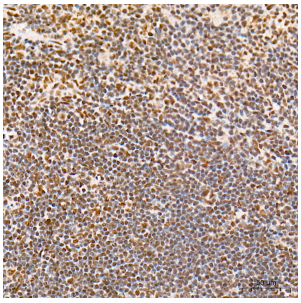
## Validation Data



Western blot analysis of various lysates using HDAC3 Rabbit pAb (A2139SP) at 1:2000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3 s.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using HDAC3 Rabbit pAb (A2139SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using HDAC3 Rabbit pAb (A2139SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using HDAC3 Rabbit pAb (A2139SP) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

For research use only. Not for therapeutic or diagnostic purposes.

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