

# HDAC3 Rabbit pAb

Catalog No.: A2139

9 Publications

## Basic Information

**Observed MW**

49kDa

**Calculated MW**

49kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P, IF/ICC

**Cross-Reactivity**

Human, Mouse, Rat

## 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

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

**Gene ID**

8841

**Swiss Prot**

O15379

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 299-428 of human HDAC3 (NP\_003874.2).

**Synonyms**

HD3; RPD3; KDAC3; RPD3-2

## Contact

	400-999-6126
	<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

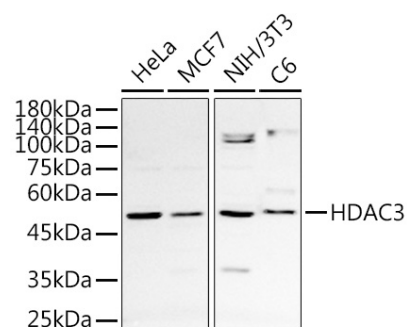
Affinity purification

**Storage**

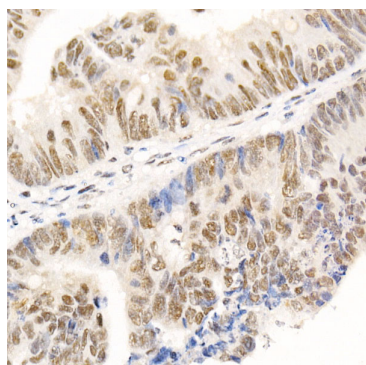
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

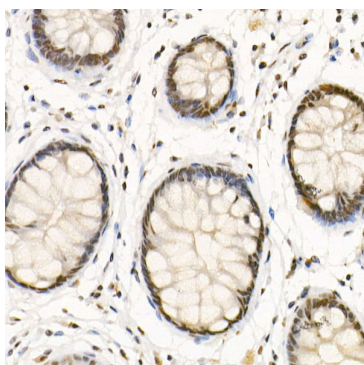
## Validation Data



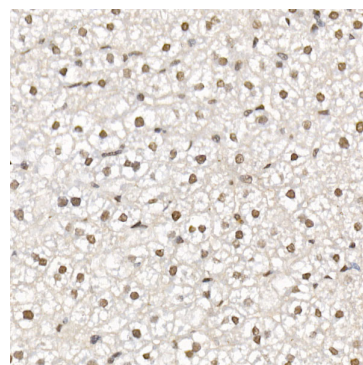
Western blot analysis of extracts of various cell lines, using HDAC3 antibody (A2139) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



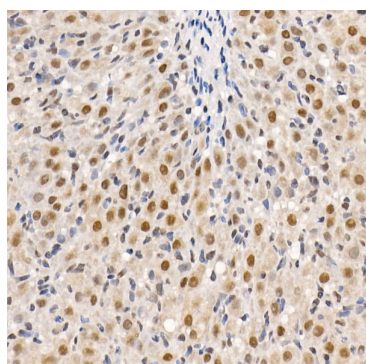
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



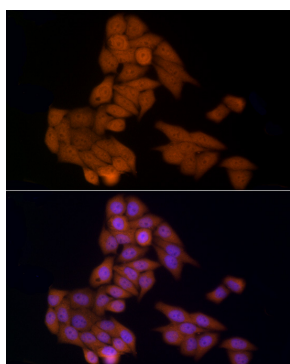
Immunohistochemistry analysis of paraffin-embedded human colon using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



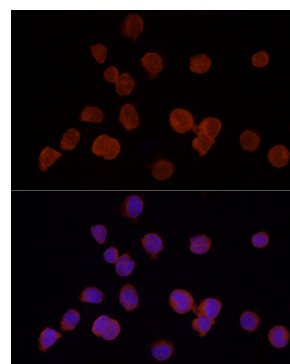
Immunohistochemistry analysis of paraffin-embedded mouse liver using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat ovary using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



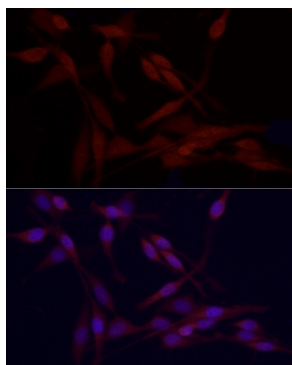
Immunofluorescence analysis of HeLa cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



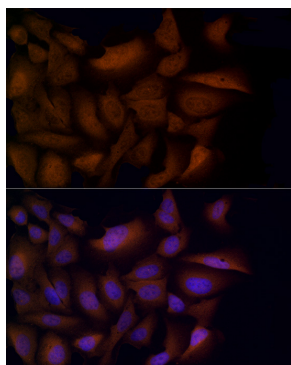
Immunofluorescence analysis of K-562 cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

## Validation Data

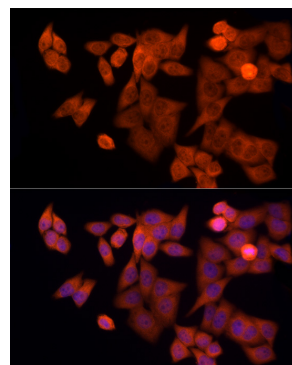
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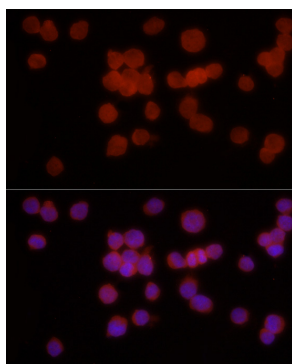
Immunofluorescence analysis of PC-12 cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



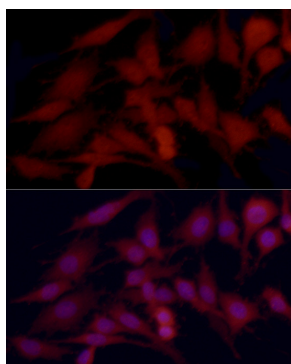
Immunofluorescence analysis of U2OS cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



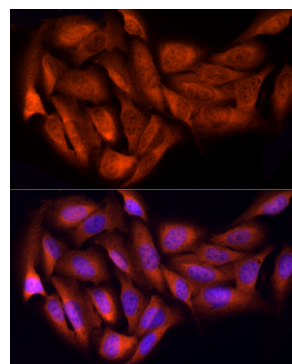
Immunofluorescence analysis of HeLa cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of K-562 cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.