

A2139

Leader in Biomolecular Solutions for Life Science



HDAC3 Rabbit pAb

Catalog No.: A2139 **9 Publications**

Basic Information

Observed MW

49kDa

Calculated MW

49kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

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

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

Immunogen Information

Gene ID	Swiss Prot
8841	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; HDAC3

Contact



www.abclonal.com

Product Information

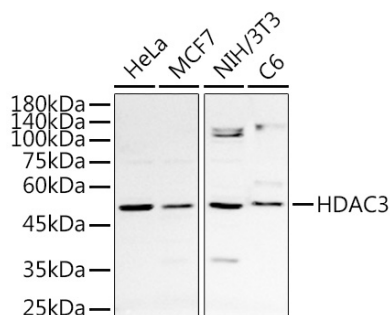
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

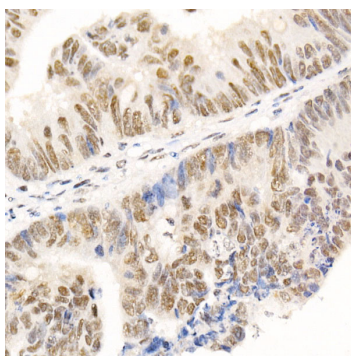
Store at -20°C. Avoid freeze / thaw cycles.

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

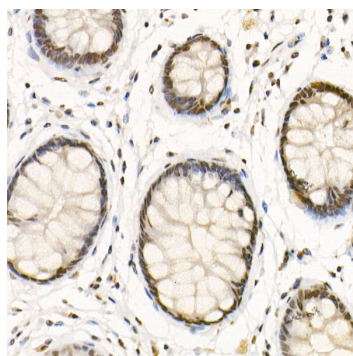
Validation Data



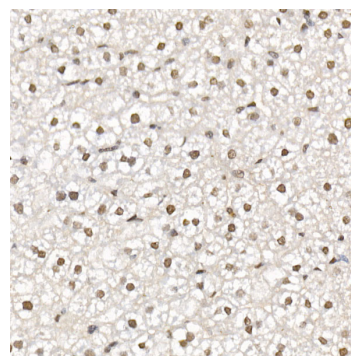
Western blot analysis of extracts of various cell lines, using HDAC3 antibody (A2139) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure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



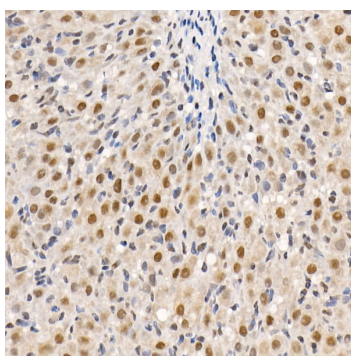
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



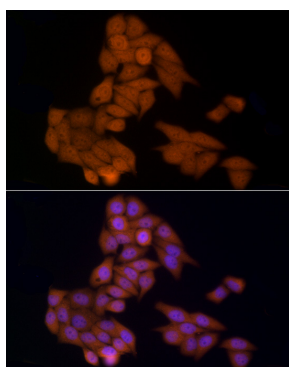
Immunohistochemistry analysis of paraffin-embedded human colon using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



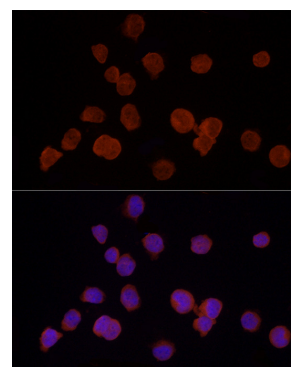
Immunohistochemistry analysis of paraffin-embedded mouse liver using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



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.

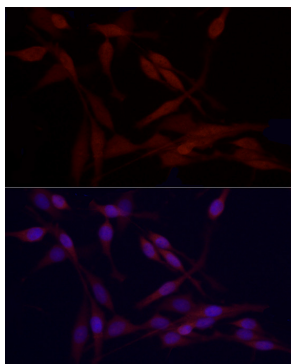


Immunofluorescence analysis of HeLa cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

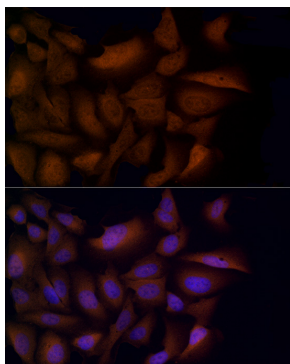


Immunofluorescence analysis of K-562 cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

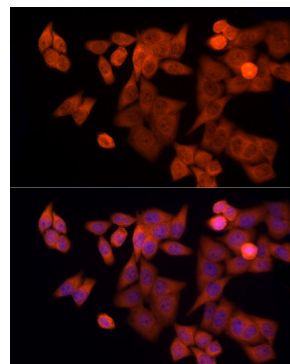
Validation Data



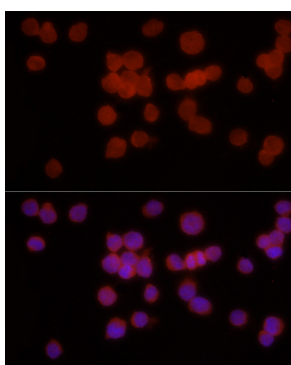
Immunofluorescence analysis of PC-12 cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



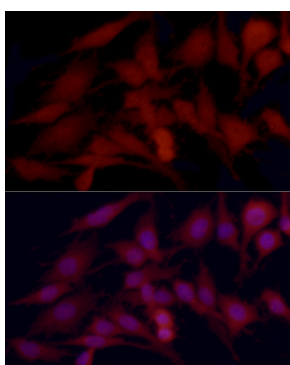
Immunofluorescence analysis of U2OS cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



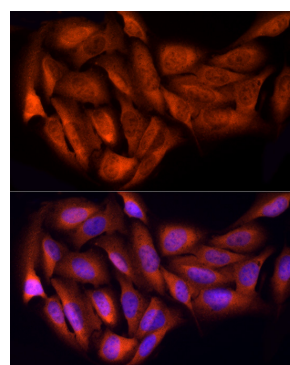
Immunofluorescence analysis of HeLa cells using HDAC3 Rabbit pAb (A2139) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



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.