

# HDAC3 Polyclonal Antibody

Catalog No: tcba7287



## Available Sizes

**Size:** 50ul

**Size:** 100ul

**Size:** 200ul



## Specifications

**Application:**

WB,IHC,IF,IP,ChIP

**Research Area:**

Cancer,Stem cells,Wnt pathway,Apoptosis,Cardiovascular,Developmental Biology,Cell Biology,Metabolism,NF-κB pathway,Lipid Metabolism pathway,

**Species Reactivity:**

Human,Mouse,Rat

**Host Species:**

Rabbit

**Isotype:**

IgG

**Form:**

Liquid

**Storage Buffer:**

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

**Recommended Dilution:**

WB 1:500 - 1:2000

IHC 1:50 - 1:100

IF 1:50 - 1:200

IP 1:50 - 1:200

ChIP 1:20 - 1:100

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**Storage Instruction:**

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

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**Alternative Names:**

HD3;RPD3;RPD3-2

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**SwissProt:**

O15379

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**Gene ID:**

8841 (human);

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**Calculated Molecular Weight:**

48kDa/49kDa

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**Purification:**

Affinity purification

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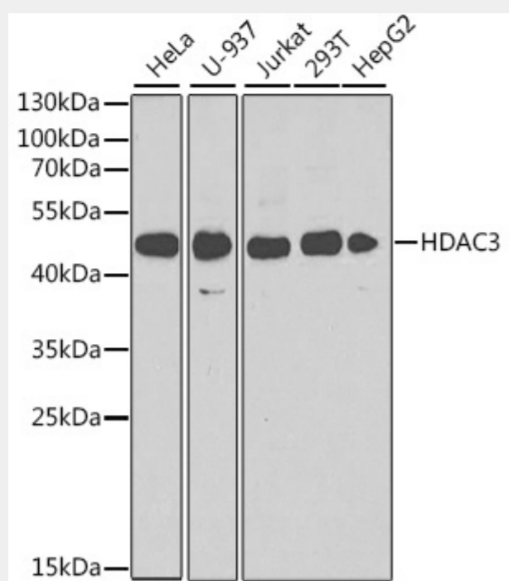
**Cellular Location:**

Cytoplasm,Nucleus,cytosol,

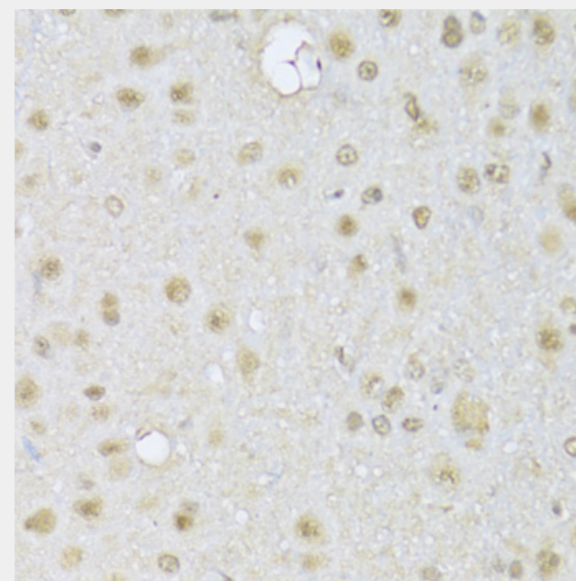
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**Product Description**

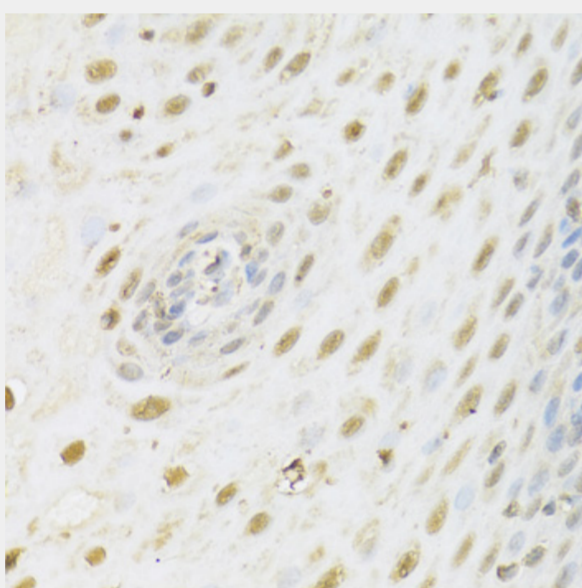
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. 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.



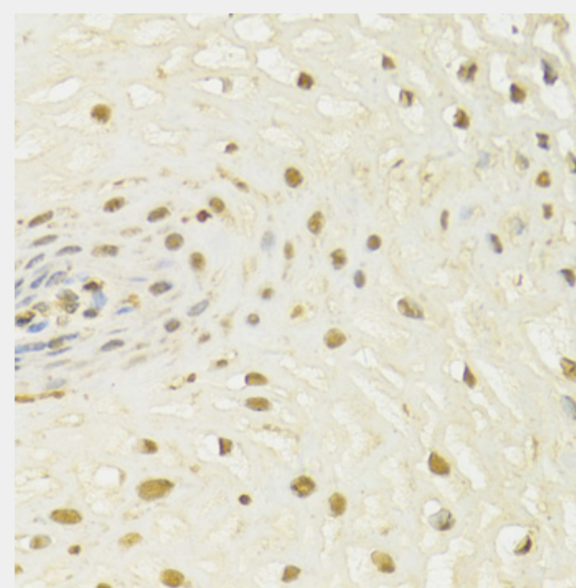
Western blot analysis of extracts of various cell lines, using HDAC3 antibody at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



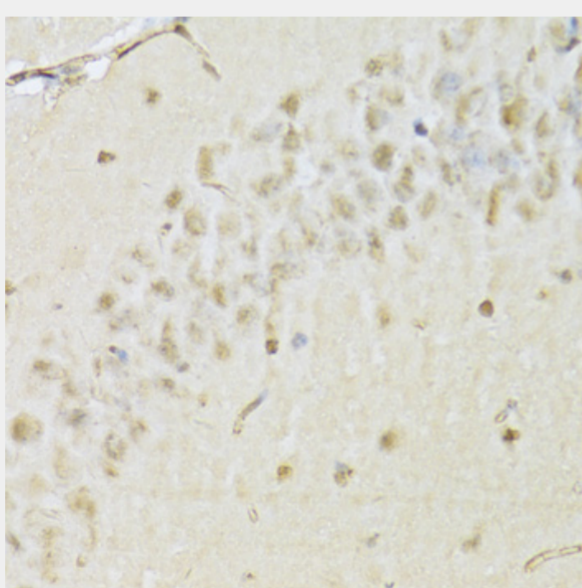
Immunohistochemistry of paraffin-embedded rat brain using HDAC3 Antibody at dilution of 1:100 (40x lens).



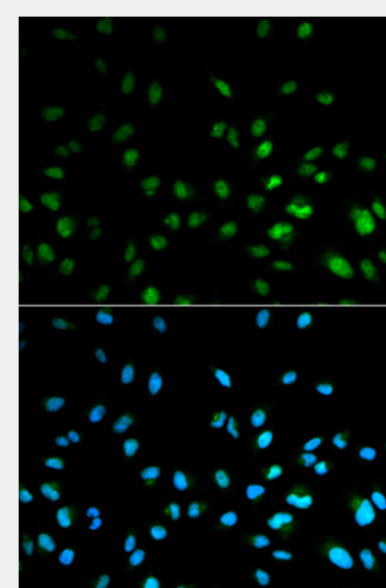
Immunohistochemistry of paraffin-embedded human esophagus using HDAC3 Antibody at dilution of 1:100 (40x lens).



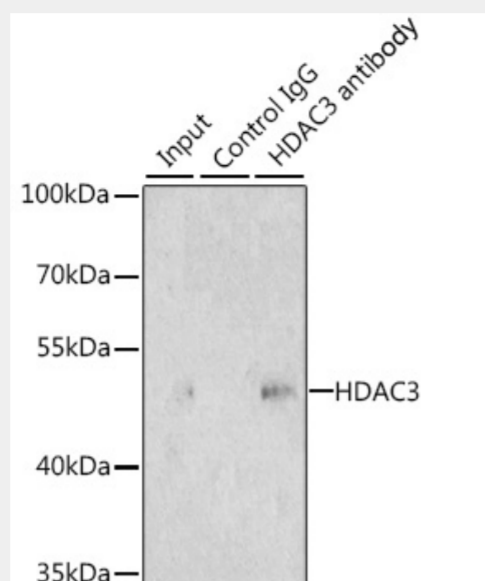
Immunohistochemistry of paraffin-embedded human esophageal cancer using HDAC3 Antibody at dilution of 1:100 (40x lens).



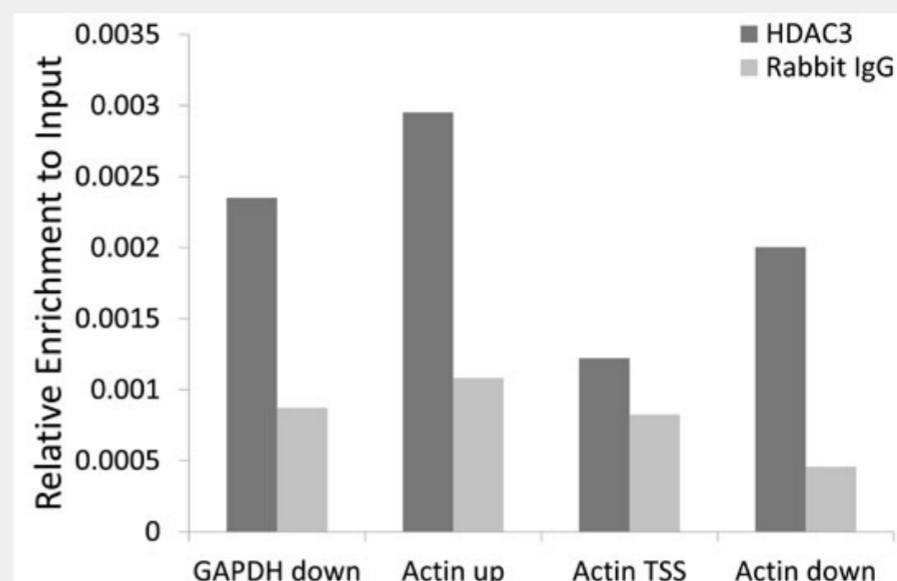
Immunohistochemistry of paraffin-embedded mouse brain using HDAC3 Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of MCF-7 cells using HDAC3 antibody. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of 293T cells using 1ug HDAC3 antibody. Western blot was performed from the immunoprecipitate using HDAC3 antibody at a dilution of 1:1000.



Chromatin immunoprecipitation of extracts of 293T cell line, using HDAC3 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!