

A7285

Leader in Biomolecular Solutions for Life Science



## HDAC7 Rabbit pAb

Catalog No.: A7285

4 Publications

### Basic Information

#### Observed MW

103kDa

#### Calculated MW

103kDa

#### 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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

### Recommended Dilutions

**WB** 1:500 - 1:2000

**IHC-P** 1:50 - 1:200

**IF/ICC** 1:50 - 1:100

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### Immunogen Information

#### Gene ID

51564

#### Swiss Prot

Q8WUI4

#### Immunogen

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

#### Synonyms

HD7; HD7A; HDAC7A; HDAC7

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

#### Storage

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

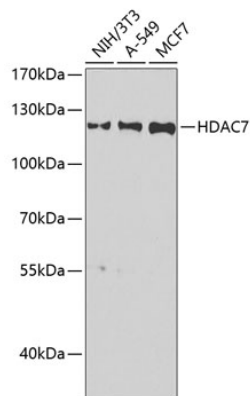
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

### Contact

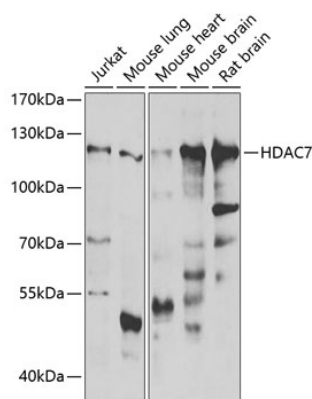


[www.abclonal.com](http://www.abclonal.com)

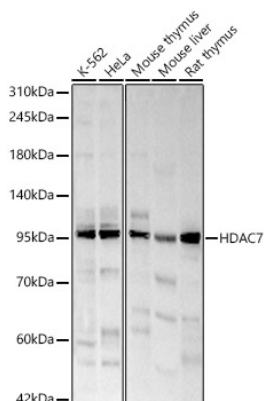
## Validation Data



Western blot analysis of various lysates using HDAC7 Rabbit pAb (A7285) 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.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 90s.



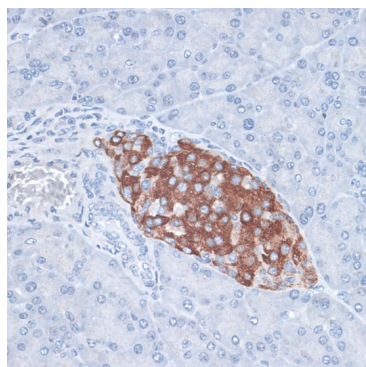
Western blot analysis of various lysates using HDAC7 Rabbit pAb (A7285) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% BSA.  
 Detection: ECL Enhanced Kit (RM00021).  
 Exposure time: 30s.



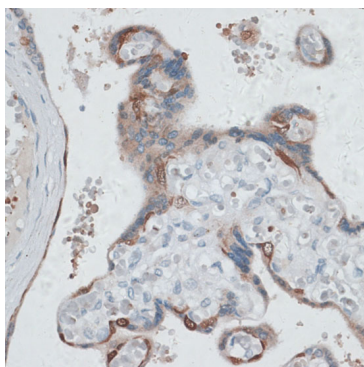
Western blot analysis of various lysates, using HDAC7 Rabbit pAb (A7285) at 1:2000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 60s.

## Validation Data

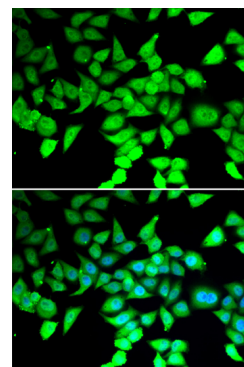
---



Immunohistochemistry analysis of paraffin-embedded Rat pancreas using HDAC7 Rabbit pAb (A7285) 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 placenta using HDAC7 Rabbit pAb (A7285) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of MCF-7 cells using HDAC7 Rabbit pAb (A7285). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.