

# HDAC7 Rabbit pAb

Catalog No.: A2970

## Basic Information

### Observed MW

65kDa

### Calculated MW

103kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### 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 - 1:1000

IHC-P 1:50 - 1:200

## Immunogen Information

### Gene ID

51564

### Swiss Prot

Q8WUI4

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human HDAC7 (Q8WUI4).

### Synonyms

HD7; HD7A; HDAC7A; HDAC7

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

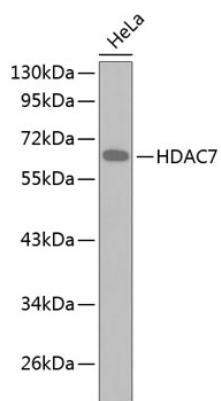
Affinity purification

### Storage

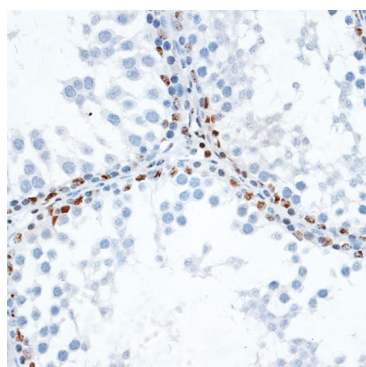
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

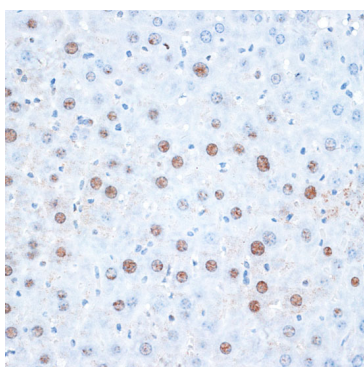
## Validation Data



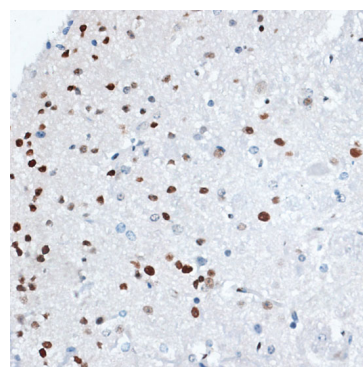
Western blot analysis of lysates from HeLa cells, using HDAC7 Rabbit pAb (A2970).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry analysis of HDAC7 in paraffin-embedded rat testis using HDAC7 Rabbit pAb (A2970) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of HDAC7 in paraffin-embedded mouse liver using HDAC7 Rabbit pAb (A2970) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of HDAC7 in paraffin-embedded mouse spinal cord using HDAC7 Rabbit pAb (A2970) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.