

For Research Use Only

# HDAC8 Polyclonal antibody

Catalog Number: 17548-1-AP

Featured Product

28 Publications



## Basic Information

### Catalog Number:

17548-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 140 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11696

### GenBank Accession Number:

BC050433

### GeneID (NCBI):

55869

### UNIPROT ID:

Q9BY41

### Full Name:

histone deacetylase 8

### Calculated MW:

377 aa, 42 kDa

### Observed MW:

49 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HeLa cells, Raji cells

IP : Raji cells,

IHC : human lung cancer tissue,

IF/ICC : HeLa cells,

## Background Information

Histone deacetylases (HDAC) are a class of enzymes that remove the acetyl groups from the lysine residues leading to the formation of a condensed and transcriptionally silenced chromatin. At least 4 classes of HDAC were identified. As a class I HDAC, HDAC 8 was primarily found in the nucleus. It catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors. This antibody is a rabbit polyclonal antibody raised against full length HDAC8 of human origin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hyuck Kim	27260468	J Nutr Biochem	WB
Xun Huang	30220457	Cell	WB
LISHA ZHENG	34738621	Int J Mol Med	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

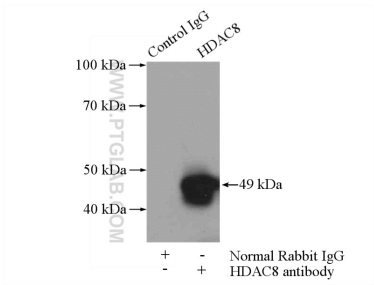
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

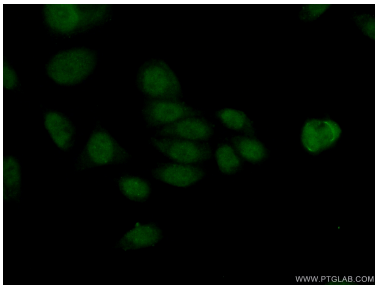
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



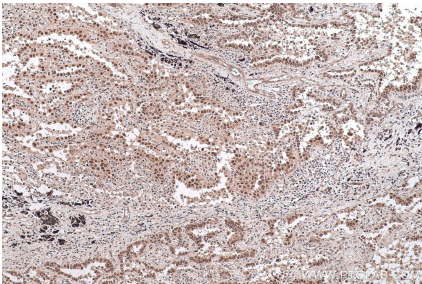
IP result of anti-HDAC8 (IP:17548-1-AP, 4ug; Detection:17548-1-AP 1:600) with Raji cells lysate 2800ug.



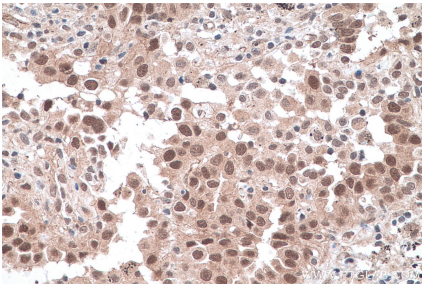
Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 17548-1-AP (HDAC8 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 17548-1-AP (HDAC8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 17548-1-AP (HDAC8 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 17548-1-AP (HDAC8 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).