

For Research Use Only

# HDAC10 Polyclonal antibody

Catalog Number: 24913-1-AP

5 Publications



## Basic Information

### Catalog Number:

24913-1-AP

### Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18470

### GenBank Accession Number:

BC125083

### GeneID (NCBI):

83933

### UNIPROT ID:

Q96958

### Full Name:

histone deacetylase 10

### Calculated MW:

669 aa, 71 kDa

### Observed MW:

68 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

**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 : fetal human brain tissue, mouse thymus tissue

IHC : human colon cancer tissue, human liver cancer tissue

IF/ICC : MCF-7 cells,

## Background Information

HDAC10, also named as Histone deacetylase 10, is a 669 amino acid protein, which is widely expressed with high levels in liver and kidney. HDAC10, which belongs to the class IIb subfamily, has an active deacetylase domain (DAC) and a catalytically inactive leucine-rich domain (LRD). HDAC10 is determined that it plays a role in homologous recombination, promotes autophagy and survival in neuroblastoma cells, suppresses cervical cancer metastasis and facilitates the cell cycle.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yingtong Feng	35595735	Cell Death Dis	WB
Xiangxiang Tao	29085502	Oncol Lett	IHC
Xiaojie Wang	24717296	Kidney Int	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

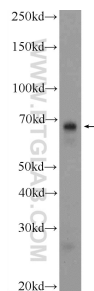
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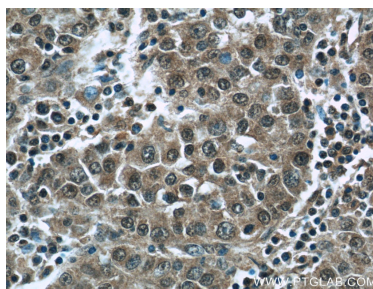
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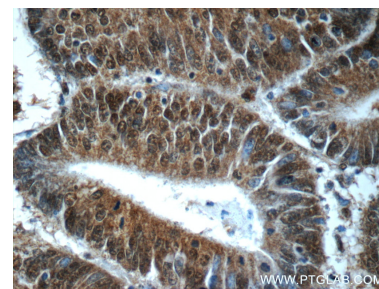
## Selected Validation Data



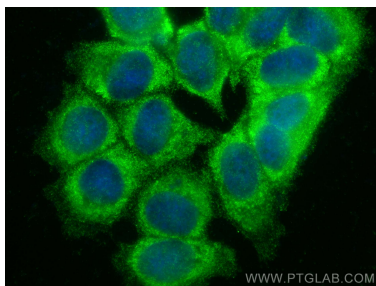
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 24913-1-AP (HDAC10 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24913-1-AP (HDAC10 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 24913-1-AP (HDAC10 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using HDAC10 antibody (24913-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).