

For Research Use Only

# HDAC10 Polyclonal ANTIBODY



Catalog Number: 24913-1-AP **2 Publications**

## Basic Information

<b>Catalog Number:</b> 24913-1-AP	<b>GenBank Accession Number:</b> BC125083	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 427 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 83933	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> histone deacetylase 10	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 669 aa, 71 kDa	
<b>Immunogen Catalog Number:</b> AG18470	<b>Observed MW:</b> 68 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : fetal human brain tissue, mouse thymus tissue IHC : human colon cancer tissue, human liver cancer tissue IF : MCF-7 cells,
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Xiangxiang Tao	29085502	Oncol Lett	IHC
Xiaojie Wang	24717296	Kidney Int	WB

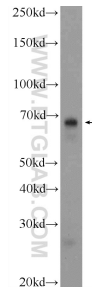
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

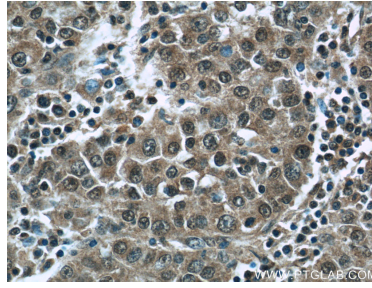
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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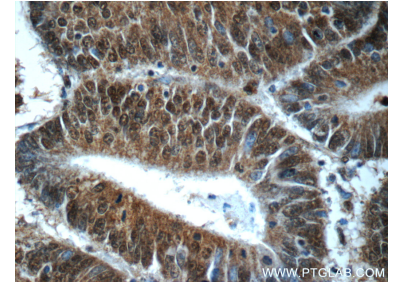
## Selected Validation Data



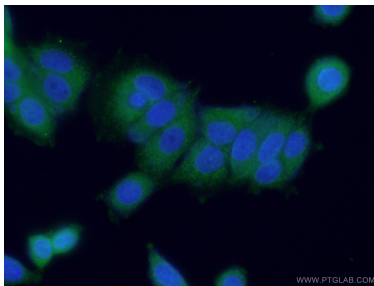
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 24913-1-AP (HDAC10 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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 (4% PFA) fixed MCF-7 cells using 24913-1-AP (HDAC10 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).