

For Research Use Only

HDAC10 Polyclonal antibody

Catalog Number: 24913-1-AP

4 Publications



Basic Information

Catalog Number: 24913-1-AP	GenBank Accession Number: BC125083	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 427 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 83933	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: histone deacetylase 10	
Isotype: IgG	Calculated MW: 669 aa, 71 kDa	
Immunogen Catalog Number: AG18470	Observed MW: 68 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : fetal human brain tissue, mouse thymus tissue IHC : human colon cancer tissue, human liver cancer tissue IF : MCF-7 cells,
Cited Applications: IHC, WB	
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	

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

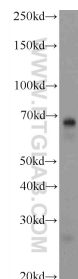
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

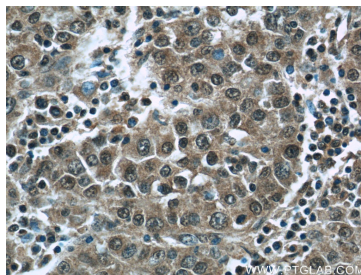
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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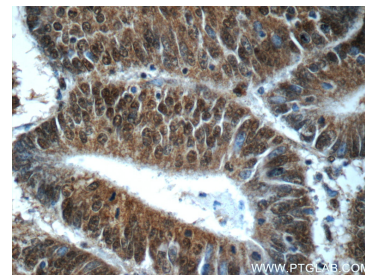
Selected Validation Data



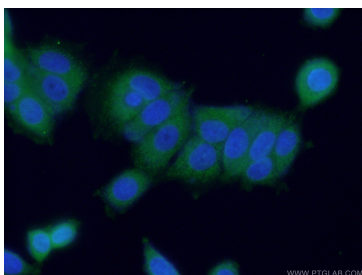
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 24913-1-AP (HDAC10 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).