

For Research Use Only

# HDAC10 Monoclonal antibody

Catalog Number: 67646-1-Ig **1 Publications**



## Basic Information

Catalog Number: 67646-1-Ig	GenBank Accession Number: BC125083	Purification Method: Protein G purification
Concentration: 1860 ug/ml	GeneID (NCBI): 83933	CloneNo.: 1A1B11
Source: Mouse	UNIPROT ID: Q96958	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: histone deacetylase 10	
Immunogen Catalog Number: AG18470	Calculated MW: 669 aa, 71 kDa Observed MW: 70-75 kDa	

## Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : LNCaP cells, HeLa cells, MCF-7 cells, HEK-293 cells, Jurkat cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells
Species Specificity: human, mouse, rat	IF/ICC : MCF-7 cells, Jurkat cells
Cited Species: human	

## 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
Liya Dai	38881946	Transl Cancer Res	WB

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

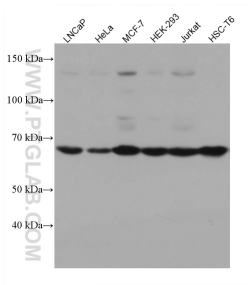
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

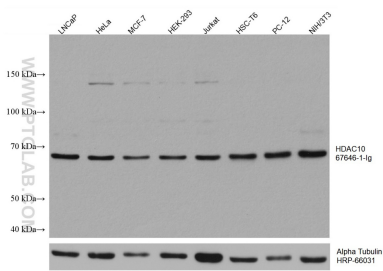
W: [ptgcn.com](http://ptgcn.com)

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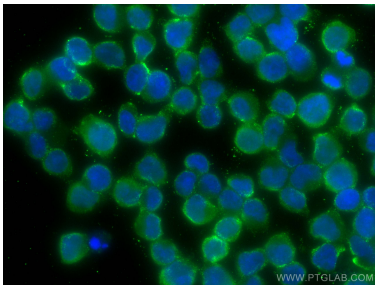
Selected Validation Data



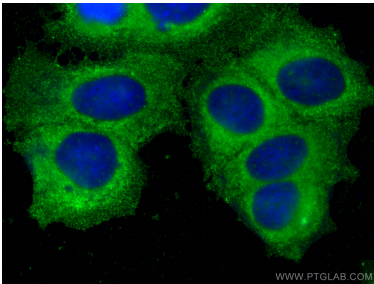
Various lysates were subjected to SDS PAGE followed by western blot with 67646-1-Ig (HDAC10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67646-1-Ig (HDAC10 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using HDAC10 antibody (67646-1-Ig, Clone: 1A1B11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using HDAC10 antibody (67646-1-Ig, Clone: 1A1B11) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).