

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
Size: 150ul , Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	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

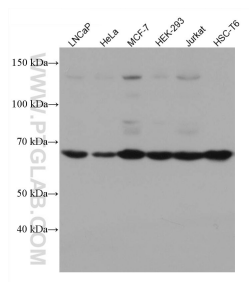
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

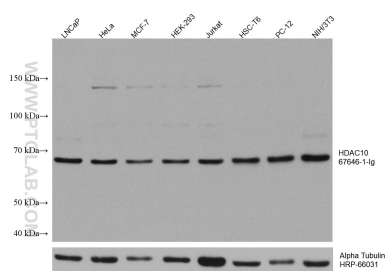
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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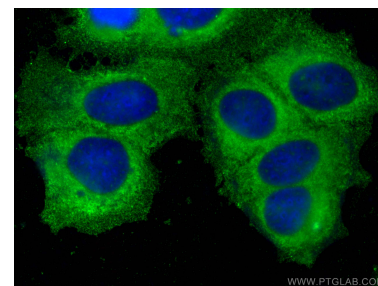
Selected Validation Data



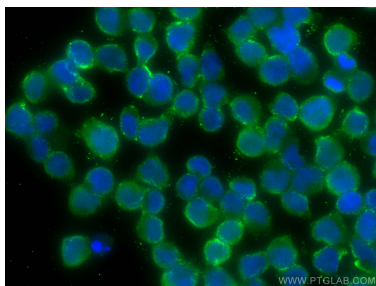
Various lysates were subjected to SDS PAGE followed by western blot with 67646-1-Ig (HDAC10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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 (-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).



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).