

For Research Use Only

HDAC3 Monoclonal antibody

Catalog Number: 67151-1-Ig **3 Publications**



Basic Information

Catalog Number: 67151-1-Ig	GenBank Accession Number: BC000614	Purification Method: Protein A purification
Size: 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8841	CloneNo.: 3E8F10
Source: Mouse	UNIPROT ID: O15379	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG2b	Full Name: histone deacetylase 3	
Immunogen Catalog Number: AG28464	Calculated MW: 49 kDa	
	Observed MW: 49 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HSC-T6 cells, HEK-293 cells, Jurkat cells
Cited Applications: WB, IP	
Species Specificity: Human, mouse, rat	
Cited Species: human, mouse	

Background Information

Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. Histone deacetylase (HDAC) and histone acetyltransferase (HAT) are enzymes that regulate transcription by selectively deacetylating or acetylating the (-amino groups of lysines located near the amino termini of core histone proteins. At least 4 classes of HDAC were identified. HDAC3 is a class I HDAC. HDAC3 has histone deacetylase activity and may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. HDAC3 can also down-regulate p53 function and thus modulate cell growth and apoptosis. The gene encoding HDAC3 is regarded as a potential tumor suppressor gene.

Notable Publications

Author	Pubmed ID	Journal	Application
Mengmeng Yang	39079624	Exp Neurol	WB,IP
Xintian Lan	37764423	Molecules	WB
Liu Song	36758802	J Biol Chem	WB,IP

Storage

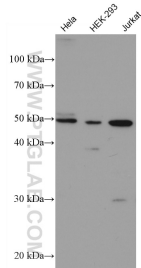
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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 67151-1-Ig (HDAC3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.