

For Research Use Only

HDAC5 Monoclonal antibody

Catalog Number: 68437-1-Ig



Basic Information

Catalog Number: 68437-1-Ig	GenBank Accession Number: NM_005474	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10014	CloneNo.: 1B9E6
Source: Mouse	UNIPROT ID: Q9UQL6	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG2b	Full Name: histone deacetylase 5	
Immunogen Catalog Number: AG30557	Calculated MW: 122 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Saos-2 cells, COLO 320 cells, HeLa cells, T-47D cells, SK-BR-3 cells, A2780 cells, HepG2 cells, HSC-T6 cells, 4T1 cells
Species Specificity: Human, mouse, rat	

Background Information

Histone acetylation and deacetylation alternately exposes and occludes DNA to transcription factors. At least 4 classes of HDAC were identified. HDAC5 is a class II HDAC. HDAC5 responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. HDAC5 is involved in muscle maturation by repressing transcription of myocyte enhancer MEF2C. During muscle differentiation, HDAC5 shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors.

Storage

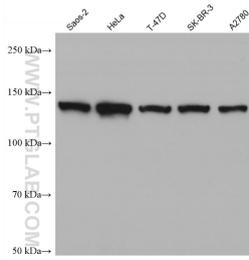
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

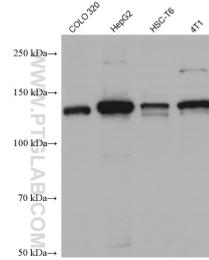
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68437-1-Ig (HDAC5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



COLO 320 cells were subjected to SDS PAGE followed by western blot with 68437-1-Ig (HDAC5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.