

HDAC5 Monoclonal antibody, PBS Only

Catalog Number: **68437-1-PBS**

Basic Information

Catalog Number: 68437-1-PBS	GenBank Accession Number: NM_005474	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10014	CloneNo.: 1B9E6
Source: Mouse	UNIPROT ID: Q9UQL6	
Isotype: IgG2b	Full Name: histone deacetylase 5	
Immunogen Catalog Number: AG30557	Calculated MW: 122 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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

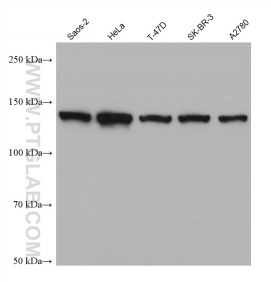
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

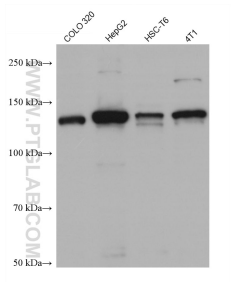
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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. This data was developed using the same antibody clone with 68437-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68437-1-PBS in a different storage buffer formulation.