

# HDAC3 Monoclonal antibody, PBS Only

Catalog Number: 67151-1-PBS

## Basic Information

Catalog Number: 67151-1-PBS	GenBank Accession Number: BC000614	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 8841	CloneNo.: 3E8F10
Source: Mouse	UNIPROT ID: O15379	
Isotype: IgG2b	Full Name: histone deacetylase 3	
Immunogen Catalog Number: AG28464	Calculated MW: 49 kDa	
	Observed MW: 49 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
Human, mouse, rat

## 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.

## Storage

Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

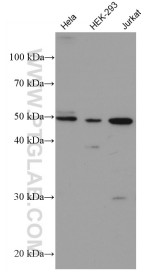
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 67151-1-PBS in a different storage buffer formulation.