

For Research Use Only

# HDAC3 Monoclonal antibody

Catalog Number: 67151-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67151-1-Ig	<b>GenBank Accession Number:</b> BC000614	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 2000 µg/ml	<b>GeneID (NCBI):</b> 8841	<b>CloneNo.:</b> 3E8F10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O15379	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> histone deacetylase 3	
<b>Immunogen Catalog Number:</b> AG28464	<b>Calculated MW:</b> 49 kDa	
	<b>Observed MW:</b> 49 kDa	

## Applications

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

## 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
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

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

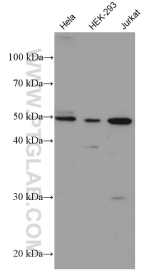
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## Selected Validation Data



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.