

For Research Use Only

# HDAC10 Monoclonal antibody, PBS Only



Catalog Number: 67646-1-PBS

## Basic Information

<b>Catalog Number:</b> 67646-1-PBS	<b>GenBank Accession Number:</b> BC125083	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 83933	<b>CloneNo.:</b> 1A1B11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q96958	
<b>Isotype:</b> IgG1	<b>Full Name:</b> histone deacetylase 10	
<b>Immunogen Catalog Number:</b> AG18470	<b>Calculated MW:</b> 669 aa, 71 kDa	
	<b>Observed MW:</b> 70-75 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, mouse, rat

## Background Information

HDAC10, also named as Histone deacetylase 10, is a 669 amino acid protein, which is widely expressed with high levels in liver and kidney. HDAC10, which belongs to the class IIb subfamily, has an active deacetylase domain (DAC) and a catalytically inactive leucine-rich domain (LRD). HDAC10 is determined that it plays a role in homologous recombination, promotes autophagy and survival in neuroblastoma cells, suppresses cervical cancer metastasis and facilitates the cell cycle.

## Storage

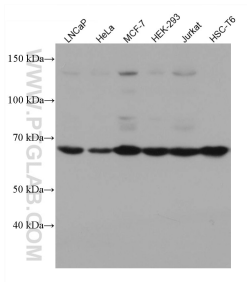
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

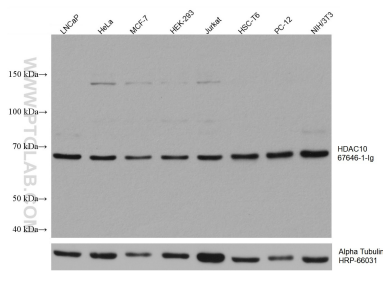
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67646-1-Ig (HDAC10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67646-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 67646-1-Ig (HDAC10 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 67646-1-PBS in a different storage buffer formulation.