

For Research Use Only

# HDAC11 Monoclonal antibody

Catalog Number: 67949-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67949-1-Ig	<b>GenBank Accession Number:</b> BC009676	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79885	<b>CloneNo.:</b> 1G12B5
<b>Source:</b> Mouse	<b>Full Name:</b> histone deacetylase 11	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 347 aa, 39 kDa	
<b>Immunogen Catalog Number:</b> AG28335	<b>Observed MW:</b> 39 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : MDA-MB-231 cells, SKOV-3 cells, T-47D cells
<b>Cited Applications:</b> IHC, WB	<b>IHC :</b> human kidney tissue, human colon cancer tissue, human ovary tumor tissue
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Histone deacetylases (HDAC) are a class of enzymes that remove the acetyl groups from the lysine residues leading to the formation of a condensed and transcriptionally silenced chromatin. At least 4 classes of HDAC were identified. HDAC 11 belongs to Class IV HDACs. HDAC 11 is localized to the nucleus and may be involved in regulating the expression of interleukin 10. Alternative splicing results in multiple transcript variants. HDAC 11 has 2 isoforms with the molecular mass of 33 and 39 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Di Lu	35832445	Transl Lung Cancer Res	IHC
Yan He	37460462	Cell Discov	WB

## Storage

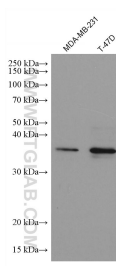
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

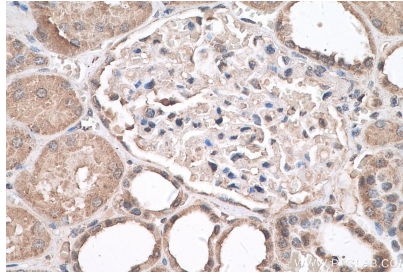
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

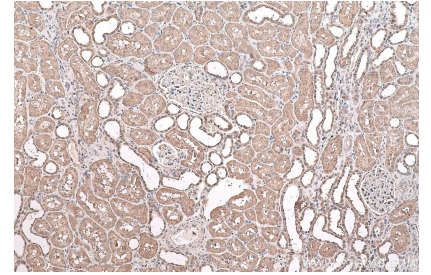
## Selected Validation Data



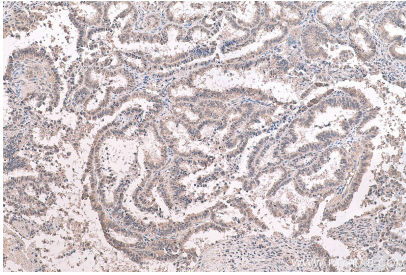
Various lysates were subjected to SDS PAGE followed by western blot with 67949-1-Ig (HDAC11 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



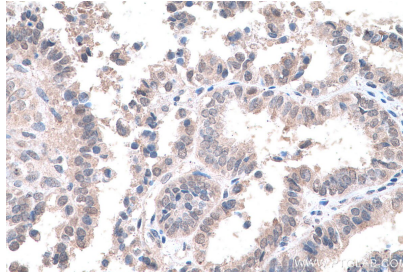
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67949-1-Ig (HDAC11 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67949-1-Ig (HDAC11 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 67949-1-Ig (HDAC11 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 67949-1-Ig (HDAC11 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).