

For Research Use Only

# HDHC2 Monoclonal antibody, PBS Only

Catalog Number: 68391-1-PBS

Featured Product



## Basic Information

### Catalog Number:

68391-1-PBS

### Size:

100ug, Concentration: 1mg/ml by Nanodrop;

### Source:

Mouse

### Isotype:

IgG2a

### Immunogen Catalog Number:

AG33258

### GenBank Accession Number:

BC003357

### GeneID (NCBI):

51020

### UNIPROT ID:

Q7Z4H3

### Full Name:

HD domain containing 2

### Calculated MW:

23 kDa

### Observed MW:

23 kDa

### Purification Method:

Protein A purification

### CloneNo.:

2E1B2

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

### Species Specificity:

human, mouse, rat

## Background Information

HDHC2, also named as C6orf74, plays a role in the maintenance of pluripotency in human ES and iPS cells. HDHC2 is a nuclear-encoded but mitochondrially localized protein. It has been reported as associated with oxidative metabolism.

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS Only

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

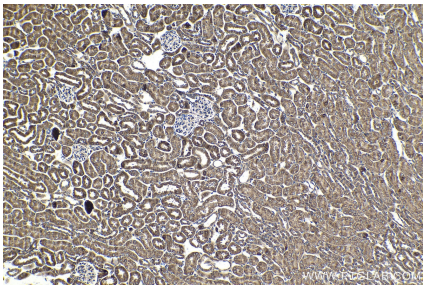
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

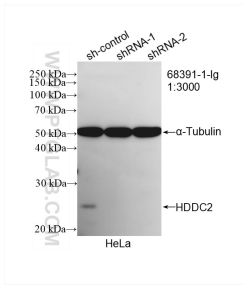
W: [ptglab.com](http://ptglab.com)

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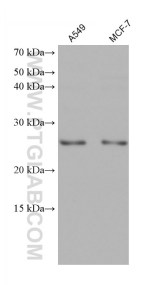
Selected Validation Data



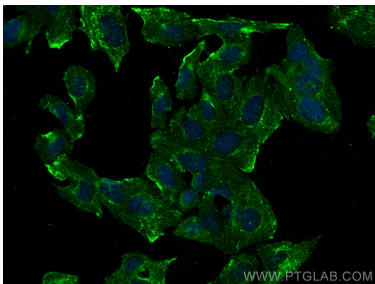
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 68391-1-Ig (HDDC2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68391-1-PBS in a different storage buffer formulation.



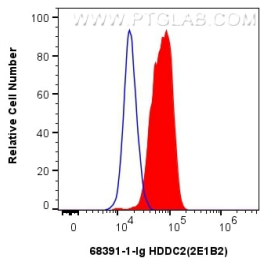
WB result of HDDC2 antibody (68391-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HDDC2 transfected HeLa cells. This data was developed using the same antibody clone with 68391-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 68391-1-Ig (HDDC2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68391-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed Saos-2 cells using HDDC2 antibody (68391-1-Ig, Clone: 2E1B2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68391-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.4 ug HDDC2 Monoclonal antibody (68391-1-Ig, Clone:2E1B2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG2a isotype control Mouse McAb (66360-2-Ig, Clone: 11A1B2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 68391-1-PBS in a

