

For Research Use Only

# HDDC2 Monoclonal antibody

Catalog Number: 68391-1-Ig

Featured Product



## Basic Information

Catalog Number:

68391-1-Ig

Size:

150ul, Concentration: 1000 ug/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

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

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

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB : A549 cells, HeLa cells, MCF-7 cells

IHC : mouse kidney tissue, rat brain tissue

IF/ICC : Saos-2 cells,

## Background Information

HDDC2, also named as C6orf74, plays a role in the maintenance of pluripotency in human ES and iPS cells. HDDC2 is a nuclear-encoded but mitochondrially localized protein. It has been reported as associated with oxidative metabolism.

## 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

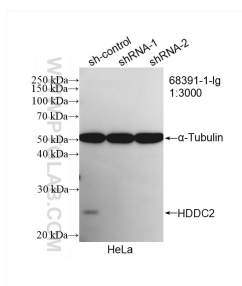
For technical support and original validation data for this product please contact:

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

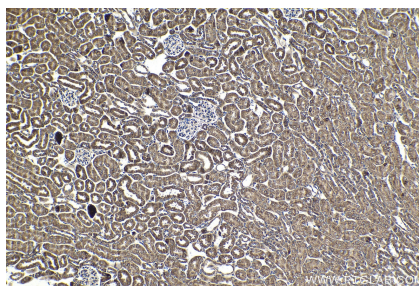
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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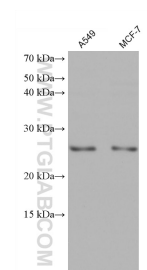
## Selected Validation Data



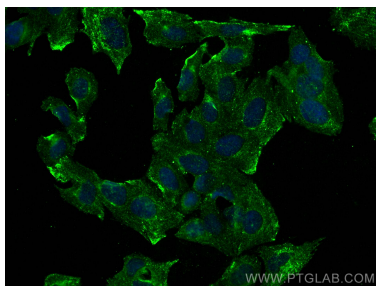
WB result of HDDC2 antibody (68391-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HDDC2 transfected HeLa cells.



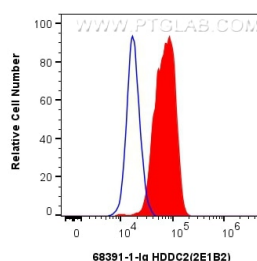
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 68391-1-Ig (HDDC2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



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).



$1 \times 10^6$  U2OS cells were intracellularly stained with 0.4  $\mu$ g HDDC2 Monoclonal antibody (68391-1-Ig, Clone: 2E1B2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4  $\mu$ g 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).