

For Research Use Only

HDDC2 Monoclonal antibody

Catalog Number: 68391-1-Ig **Featured Product**



Basic Information

Catalog Number: 68391-1-Ig	GenBank Accession Number: BC003357	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 51020	CloneNo.: 2E1B2
Source: Mouse	UNIPROT ID: Q7Z4H3	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: HD domain containing 2	
Immunogen Catalog Number: AG33258	Calculated MW: 23 kDa	
	Observed MW: 23 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : A549 cells, HeLa cells, MCF-7 cells IHC : mouse kidney tissue, rat brain tissue IF/ICC : Saos-2 cells,
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	

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

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

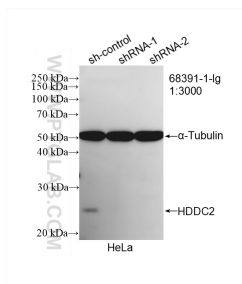
T: 4006900926

E: Proteintech-CN@ptglab.com

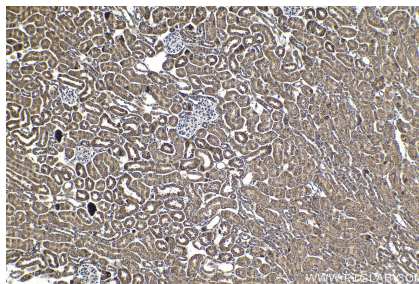
W: ptgcn.com

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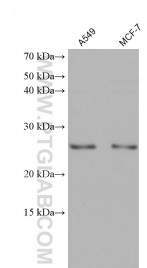
Selected Validation Data



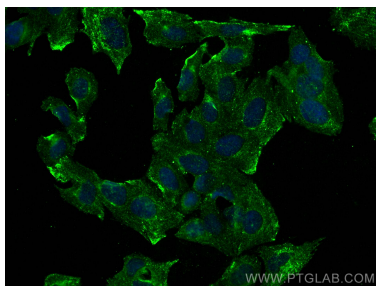
WB result of HDDC2 antibody (68391-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HDDC2 transfected HeLa cells.



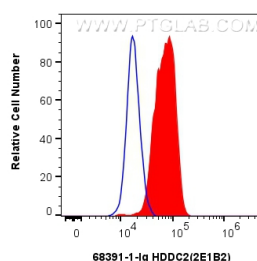
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 68391-1-Ig (HDDC2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1×10^6 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).