

For Research Use Only

# HDDC2 Polyclonal antibody

Catalog Number: 16632-1-AP



## Basic Information

<b>Catalog Number:</b> 16632-1-AP	<b>GenBank Accession Number:</b> BC003357	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 800 µg/ml	<b>GeneID (NCBI):</b> 51020	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:20-1:200 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7Z4H3	
<b>Isotype:</b> IgG	<b>Full Name:</b> HD domain containing 2	
<b>Immunogen Catalog Number:</b> AG9971	<b>Calculated MW:</b> 23 kDa	
	<b>Observed MW:</b> 23 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, 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:** HeLa cells, K-562 cells, MCF-7 cells, PC-3 cells, mouse testis tissue, rat testis tissue

**IHC:** human brain tissue,

**IF:** PC-3 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

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

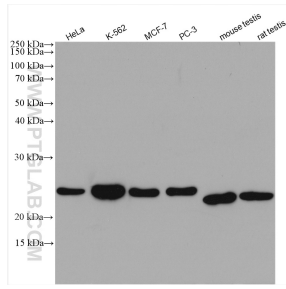
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

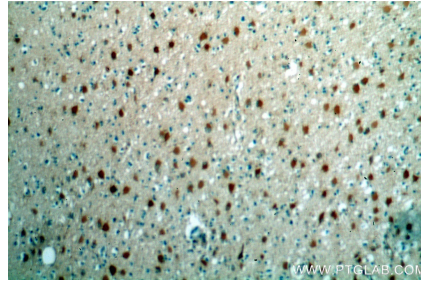
W: [ptgcn.com](http://ptgcn.com)

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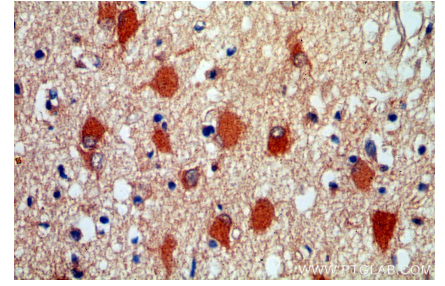
## Selected Validation Data



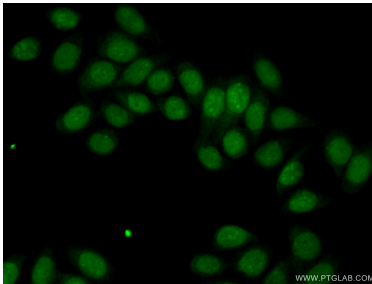
Various lysates were subjected to SDS PAGE followed by western blot with 16632-1-AP (HDCC2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 16632-1-AP (HDCC2 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 16632-1-AP (HDCC2 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed PC-3 cells using 16632-1-AP (HDCC2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).