

For Research Use Only

# IDH3A Polyclonal antibody

Catalog Number: 15909-1-AP

Featured Product

25 Publications



## Basic Information

### Catalog Number:

15909-1-AP

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8662

### GenBank Accession Number:

BC021967

### GeneID (NCBI):

3419

### UNIPROT ID:

P50213

### Full Name:

isocitrate dehydrogenase 3 (NAD+)  
alpha

### Calculated MW:

366 aa, 40 kDa

### Observed MW:

40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total  
protein lysate

IHC: 1:20-1:200

IF/ICC: 1:200-1:800

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a  
100 µl suspension

## Applications

### Tested Applications:

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

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

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 : HepG2 cells, human skeletal muscle tissue,  
mouse brain tissue, rat brain tissue

IP : HepG2 cells,

IHC : human brain tissue,

IF/ICC : HepG2 cells,

FC (Intra) : HepG2 cells,

## Background Information

## Notable Publications

Author	Pubmed ID	Journal	Application
Yingjiang Xu	34704268	EMBO J	WB
Teiji Oda	26437904	Circ J	WB
Péter Gulyássi	33211194	Amino Acids	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

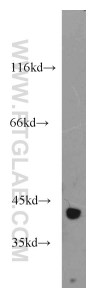
T: 4006900926

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

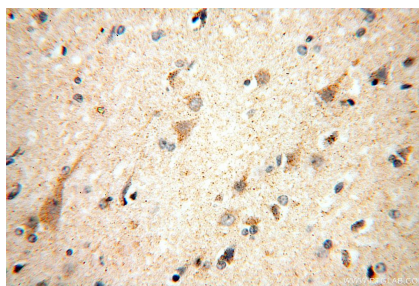
W: [ptgcn.com](http://ptgcn.com)

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

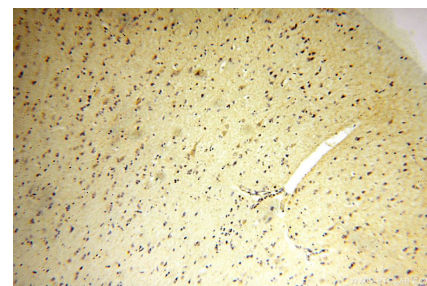
## Selected Validation Data



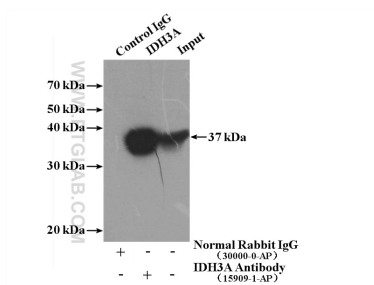
human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 15909-1-AP (IDH3A antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



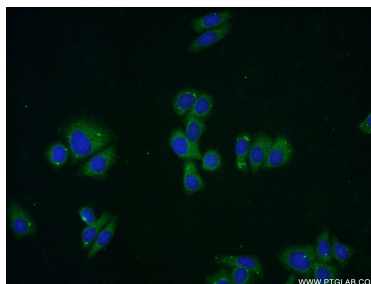
Immunohistochemical analysis of paraffin-embedded human brain using 15909-1-AP (IDH3A antibody) at dilution of 1:100 (under 40x lens).



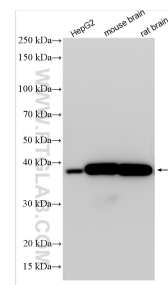
Immunohistochemical analysis of paraffin-embedded human brain using 15909-1-AP (IDH3A antibody) at dilution of 1:100 (under 10x lens).



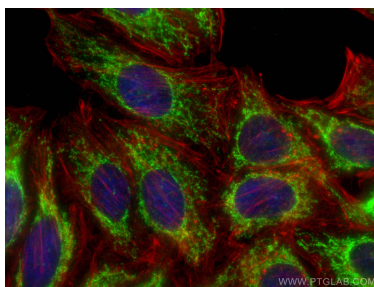
IP result of anti-IDH3A (IP:15909-1-AP, 4ug; Detection:15909-1-AP 1:1000) with HepG2 cells lysate 2400ug.



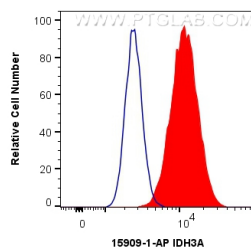
Immunofluorescent analysis of HepG2 cells using 15909-1-AP (IDH3A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 15909-1-AP (IDH3A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using IDH3A antibody (15909-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Anti-Human IDH3A (15909-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.