

For Research Use Only

IDH3A Polyclonal antibody

Catalog Number: 15909-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number: 15909-1-AP	GenBank Accession Number: BC021967	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3419	Recommended Dilutions: WB 1:500-1:2400 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: isocitrate dehydrogenase 3 (NAD+) alpha	IHC 1:20-1:200 IF 1:20-1:200
Isotype: IgG	Calculated MW: 366 aa, 40 kDa	
Immunogen Catalog Number: AG8662	Observed MW: 40 kDa	

Applications

Tested Applications:
FC, IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, IP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

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

IP: HepG2 cells,

IHC: human brain tissue,

IF: HepG2 cells,

Background Information

Notable Publications

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

Storage

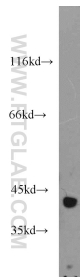
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

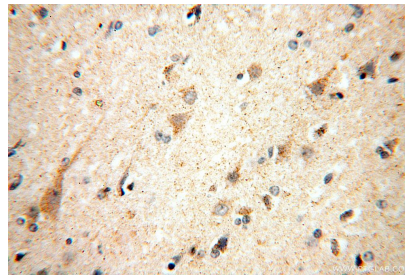
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

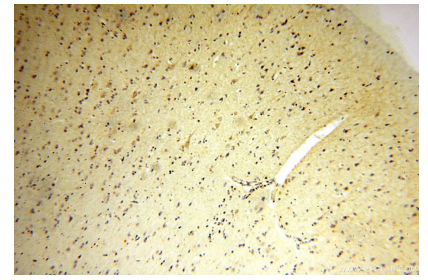
Selected Validation Data



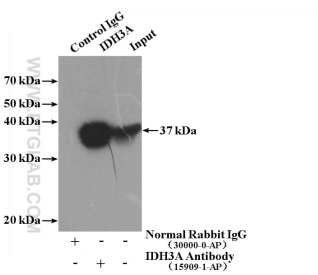
human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 15909-1-AP (IDH3A antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



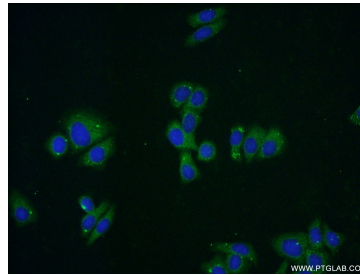
Immunohistochemical analysis of paraffin-embedded human brain using 15909-1-AP (IDH3A antibody) at dilution of 1:100 (under 40x lens).



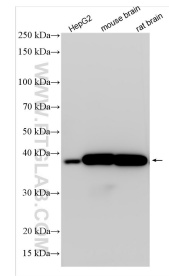
Immunohistochemical analysis of paraffin-embedded human brain using 15909-1-AP (IDH3A antibody) at dilution of 1:100 (under 10x lens).



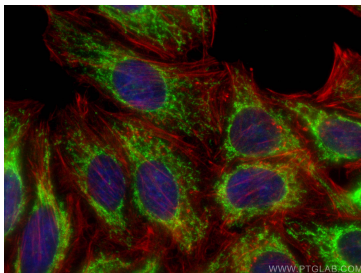
IP Result of anti-IDH3A (IP:15909-1-AP, 4ug; Detection:15909-1-AP 1:1000) with HepG2 cells lysate 2400ug.



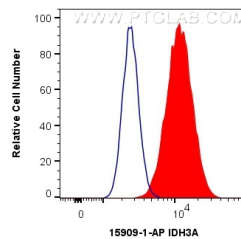
Immunofluorescent analysis of HepG2 cells using 15909-1-AP (IDH3A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).



1×10^6 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 (PF00011-C).