

For Research Use Only

DPH2 Polyclonal antibody

Catalog Number: 12367-1-AP



Basic Information

Catalog Number: 12367-1-AP	GenBank Accession Number: BC016956	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1802	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: DPH2 homolog (S. cerevisiae)	IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG	Calculated MW: 489 aa, 52 kDa	
Immunogen Catalog Number: AG3042	Observed MW: 52 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : COLO 320 cells, human brain tissue, PC-3 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IP : mouse skeletal muscle tissue,
	IHC : human colon cancer tissue,
	IF : PC-3 cells,

Background Information

Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2). When overexpressed, suppresses colony formation ability and growth rate of ovarian cancer cells. Mutants of the DPH1, DPH2, and DPH5 (611075) genes, involved in diphthamide biosynthesis, were identified as resistant to both anthrax toxin and diphtheria toxin. This antibody works well in WB, IP, IHC and IF application.

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

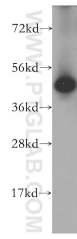
For technical support and original validation data for this product please contact:

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

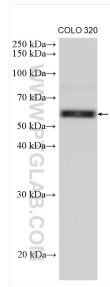
E: proteintech@ptglab.com
W: ptglab.com

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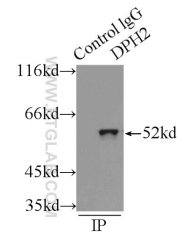
Selected Validation Data



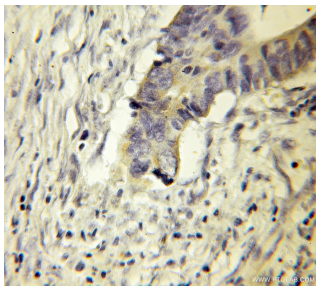
human brain tissue were subjected to SDS PAGE followed by western blot with 12367-1-AP (DPH2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



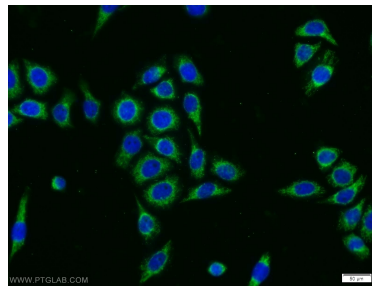
COLO 320 cells were subjected to SDS PAGE followed by western blot with 12367-1-AP (DPH2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP Result of anti-DPH2 (IP:12367-1-AP, 3ug; Detection:12367-1-AP 1:1000) with mouse skeletal muscle tissue lysate 6000ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 12367-1-AP (DPH2 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of PC-3 cells using 12367-1-AP (DPH2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).