

DPH2 Polyclonal Antibody

Catalog number: 12367-1-AP

Size: 25 µg/150 µl

Source: Rabbit

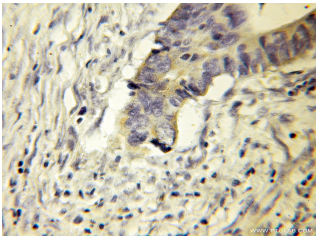
Isotype: IgG

Synonyms:

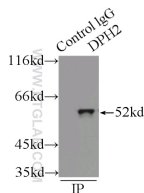
DPH2; DPH2, DPH2 homolog,

DPH2 homolog (*S. cerevisiae*),

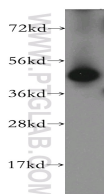
DPH2 like 2, DPH2L2, HsDph2



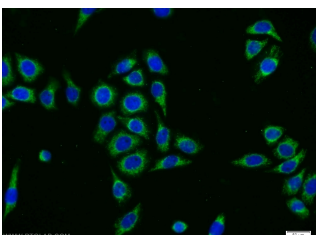
Immunohistochemical of paraffin-embedded human colon cancer using 12367-1-AP(DPH2 antibody) at dilution of 1:50 (under 10x lens)



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



human brain tissue were subjected to SDS PAGE followed by western blot with 12367-1-AP(DPH2 antibody) at dilution of 1:400



Immunofluorescent analysis of PC-3 cells using 12367-1-

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Species specificity:	Human, Mouse; other species not tested.
Calculated DPH2 MW:	489aa,52 kDa
Observed DPH2 MW:	52kd
Positive WB detected in	Human brain tissue, PC-3 cells
Positive IP detected in	Mouse skeletal muscle tissue
Positive IHC detected in	Human colon cancer tissue
Positive IF detected in	PC-3 cells
Recommended dilution:	WB: 1:1000-1:10000
	IP: 1:500-1:5000
	IHC: 1:20-1:200
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3042
GenBank accession number:	BC016956
Gene ID (NCBI):	1802
Full name:	DPH2 homolog (<i>S. cerevisiae</i>)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**AP(DPH2 Antibody) at
dilution of 1:25 and Alexa
Fluor 488-conjugated
AffiniPure Goat Anti-Rabbit
IgG(H+L)**