

For Research Use Only

DTYMK Polyclonal antibody

Catalog Number: 15360-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 15360-1-AP	GenBank Accession Number: BC001827	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1841	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: deoxythymidylate kinase (thymidylate kinase)	IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG	Calculated MW: 24 kDa	
Immunogen Catalog Number: AG7606	Observed MW: 24 kDa	

Applications

Tested Applications: FC, IF, IHC, IP, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, human brain tissue, human heart tissue, mouse brain tissue
Cited Applications: IHC, WB	IP : HeLa cells,
Species Specificity: human, mouse	IHC : human colon cancer tissue,
Cited Species: human	IF : MCF-7 cells, HepG2 cells

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DTYMK(Thymidylate kinase) is also named as CDC8,TMPK and TYMK.It catalyzes the phosphorylation of dTMP to form dTDP in the dTTP synthesis pathway for DNA synthesis.This enzyme is important in cellular DNA synthesis because the synthesis of dTTP either via the de novo pathway or through the exogenous supply of thymidine requires the activity of this enzyme(PMID:18469).

Notable Publications

Author	Pubmed ID	Journal	Application
Fengze Sun	34795209	Cell Death Dis	WB,IHC
Henrick Horita	29786648	Proteomes	WB
Tianfeng Lan	35903153	Front Mol Biosci	WB

Storage

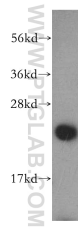
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

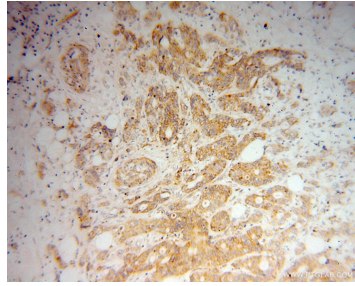
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

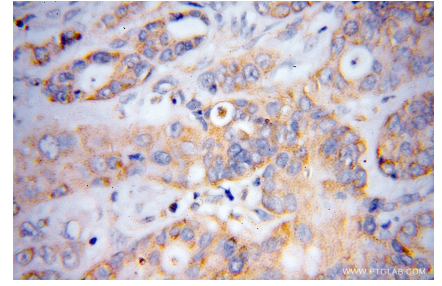
Selected Validation Data



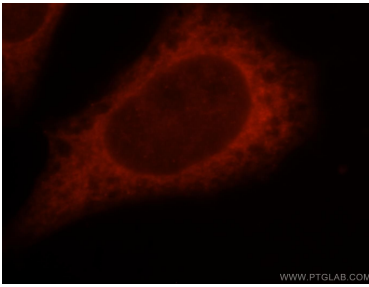
HeLa cells were subjected to SDS PAGE followed by western blot with 15360-1-AP (DTYMK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



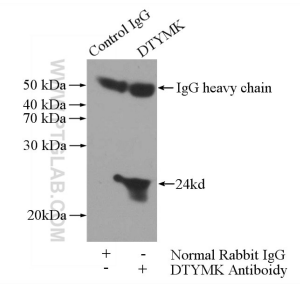
Immunohistochemical analysis of paraffin-embedded human colon cancer using 15360-1-AP (DTYMK antibody) at dilution of 1:100 (under 10x lens).



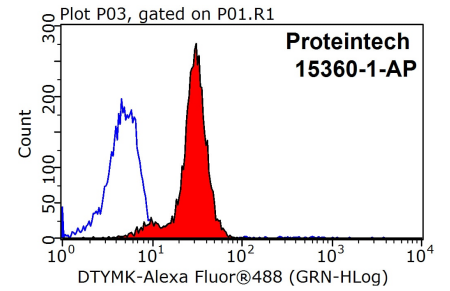
Immunohistochemical analysis of paraffin-embedded human colon cancer using 15360-1-AP (DTYMK antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells, using DTYMK antibody 15360-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-DTYMK (IP:15360-1-AP, 3ug; Detection:15360-1-AP 1:1000) with HeLa cells lysate 2800ug.



1X10⁶ MCF-7 cells were stained with 0.2ug DTYMK antibody (15360-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.