

For Research Use Only

DTYMK Polyclonal antibody

Catalog Number: 15360-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

15360-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7606

GenBank Accession Number:

BC001827

GeneID (NCBI):

1841

UNIPROT ID:

P23919

Full Name:

deoxythymidylate kinase
(thymidylate kinase)

Calculated MW:

24 kDa

Observed MW:

24 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

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

IHC 1:250-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human

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 : HeLa cells, HepG2 cells, human brain tissue, human heart tissue, mouse brain tissue

IP : HeLa cells,

IHC : human breast cancer tissue, human pancreas cancer tissue, mouse kidney tissue, mouse small intestine tissue

IF/ICC : HepG2 cells,

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

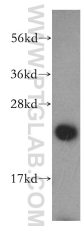
For technical support and original validation data for this product please contact:

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

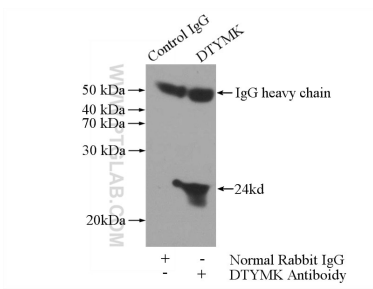
E: proteintech@ptglab.com
W: ptglab.com

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

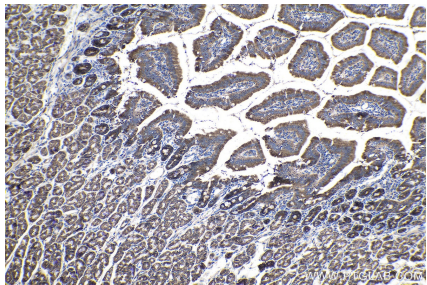
Selected Validation Data



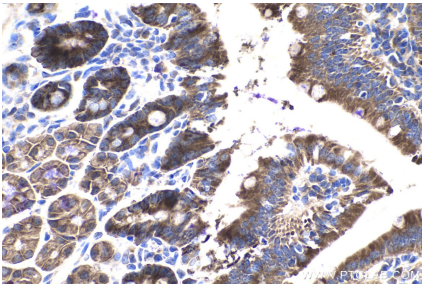
HeLa cells were subjected to SDS PAGE followed by western blot with 15360-1-AP (DTYMK antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



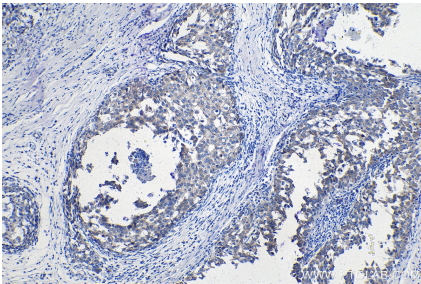
IP result of anti-DTYMK (IP:15360-1-AP, 3ug; Detection:15360-1-AP 1:1000) with HeLa cells lysate 2800ug.



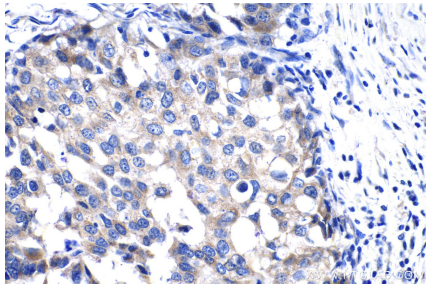
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 15360-1-AP (DTYMK antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



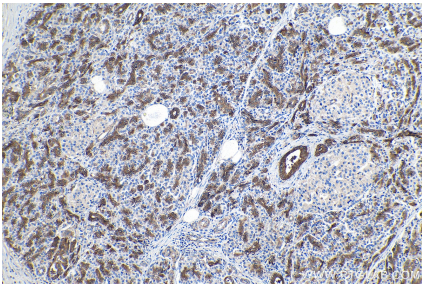
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 15360-1-AP (DTYMK antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



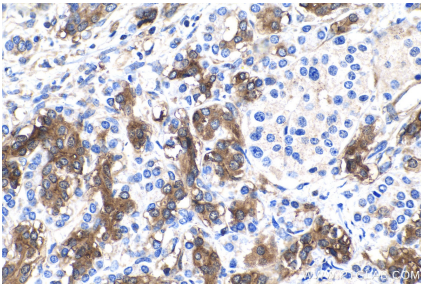
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15360-1-AP (DTYMK antibody) at dilution of 1:500 (under 10x lens).



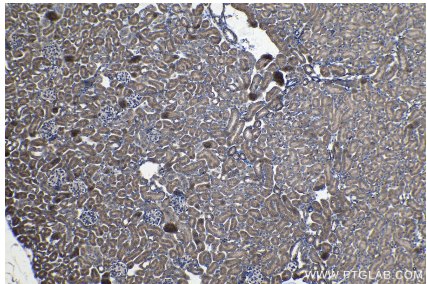
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15360-1-AP (DTYMK antibody) at dilution of 1:500 (under 40x lens).



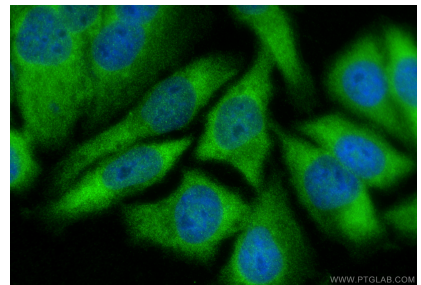
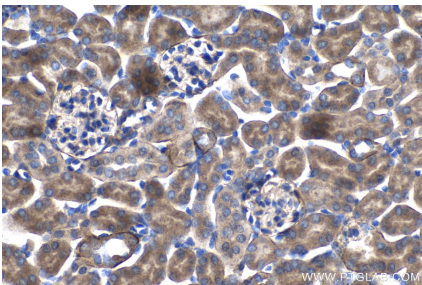
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 15360-1-AP (DTYMK antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 15360-1-AP (DTYMK antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15360-1-AP (DTYMK antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15360-1-AP (DTYMK antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DTYMK antibody (15360-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).