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DTYMK Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7060b

Specification

DTYMK Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P23919
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23819**
Antigen Region	**164-194**

DTYMK Antibody (C-term) - Additional Information

Gene ID 1841

Other Names
Thymidylate kinase, dTMP kinase, DTYMK, CDC8, TMPK, TYMK

Target/Specificity
This DTYMK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 164-194 amino acids from the C-terminal region of human DTYMK.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DTYMK Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DTYMK Antibody (C-term) - Protein Information

Name DTYMK

Synonyms CDC8, TMPK, TYMK

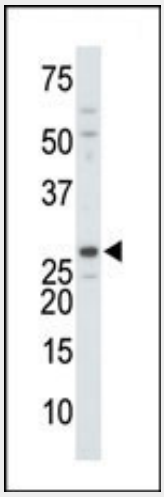
Function Catalyzes the phosphorylation of thymidine monophosphate (dTMP) to thymidine diphosphate (dTDP), the immediate precursor for the DNA building block dTTP, with ATP as the preferred phosphoryl donor in the presence of Mg(2+).

DTYMK Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DTYMK Antibody (C-term) - Images



The anti-DTYMK Pab (Cat. #AP7060b) is used in Western blot to detect DTYMK in mouse colon tissue lysate.

DTYMK Antibody (C-term) - Background

Thymidylate kinase (DTYMK) catalyzes the phosphorylation of dTMP to form dTDP in the dTTP synthesis pathway for DNA synthesis. DTYMK is essential for DNA synthesis and is an important intermediate enzyme in the pathway of many pyrimidine analog drugs, including 5-Fluorouracil (5-FU), the chemotherapeutic drug of choice for several solid tumors. The human DTYMK gene was isolated via functional complementation of a Saccharomyces cerevisiae cell cycle mutant, cdc8. DTYMK mRNA levels and enzyme activities are regulated at the level of cell cycle and cell growth pathways.