

Product datasheet for **AP13620PU-N**

DTYMK (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA 1/1,000. Western blotting: 1/100 - 1/500. Flow cytometry.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human DTYMK.
Specificity:	This antibody reacts to DTYMK.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	deoxythymidylate kinase
Database Link:	Entrez Gene 1841 Human P23919



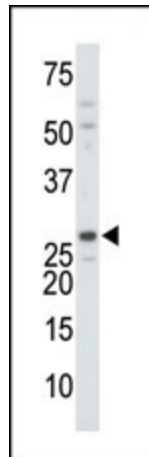
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Background:

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.

Synonyms:

DTYMK, dTMP kinase, TMPK, TYMK, CDC8

Product images:

The anti-DTYMK Pab is used in Western blot to detect DTYMK in mouse colon tissue lysate.