



dTMP Kinase Polyclonal Antibody

Cat #: ABP51206

Size: 30µl /100µl /200µl

Product Information

	Product Name: dTMP Kinase Polyclonal Antibody		
	Applications: WB, IHC-P, ELISA		Isotype: Rabbit IgG
	Reactivity: Human		
REF	Catalog Number: ABP51206	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

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.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:20000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



Fig. Western Blot analysis of various cells using dTMP Kinase Polyclonal Antibody diluted at 1:500.

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