

Product datasheet for **TA365975**

DTYMK Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Raji, K562, HeLa, HepG2, 293T cell and Human fetal liver tissue lysates IHC: 50-300 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DTYMK
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	24 kDa
Gene Name:	deoxythymidylate kinase
Database Link:	Entrez Gene 1841 Human P23919



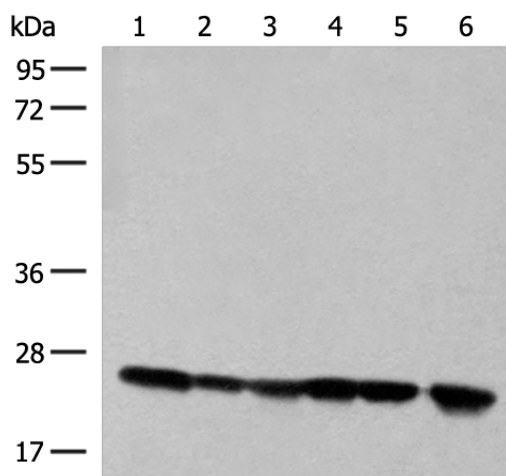
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Background:

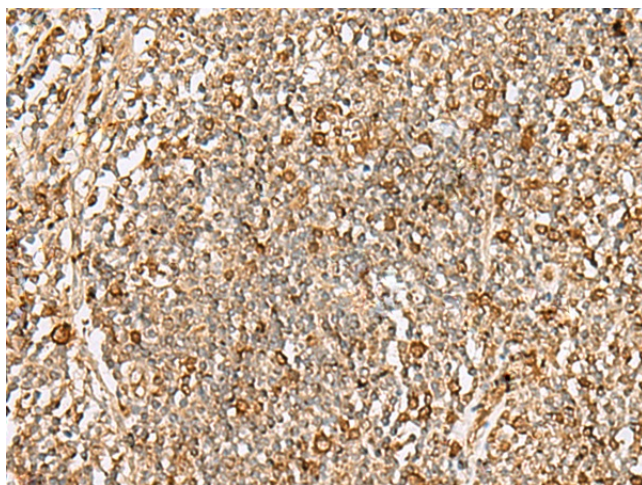
DTYMK (deoxythymidylate kinase (thymidylate kinase)), also known as CDC8, TMPK, TYMK or dTMP kinase, is a 212 amino acid protein that belongs to the thymidylate kinase family and is involved in pyrimidine metabolism. Specifically, DTYMK catalyzes the ATP-dependent conversion of dTMP (deoxythymidine monophosphate) to dTDP (deoxythymidine diphosphate), which then functions as one of the four nucleotides in DNA. Via its role in the catalytic creation of dTDP, DTYMK plays an important role in the pathway of DNA synthesis and is thought to be involved in cell cycle progression and cell growth. DTYMK expression levels peak during the S phase (synthesis phase) of the cell cycle, further supporting the role of DTYMK in DNA synthesis.

Synonyms:

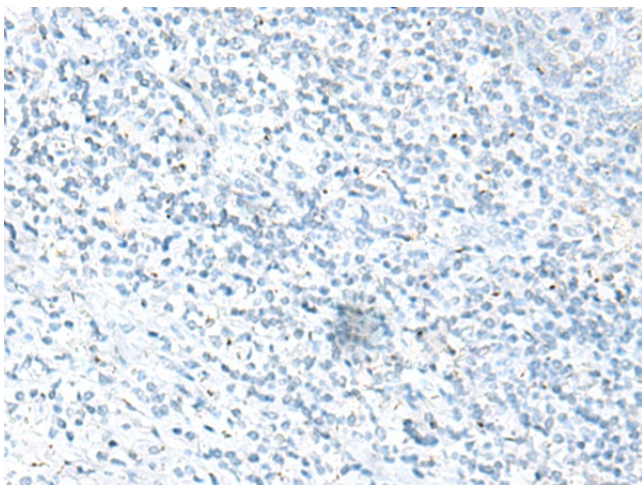
CDC8; FLJ44192; MGC198617; PP3731; TMPK; TYMK

Product images:

Gel: 8%SDS-PAGE
Lysate: 40 μ g
Lane 1-6: Raji
K562
HeLa
HepG2
293T cell and Human fetal liver tissue lysates
Primary antibody: TA365975 (DTYMK Antibody) at dilution 1/550
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 5 seconds



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA365975 (DTYMK Antibody) at dilution 1/70 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA365975 (DTYMK Antibody) at dilution 1/70, treated with fusion protein. (Original magnification: x200)