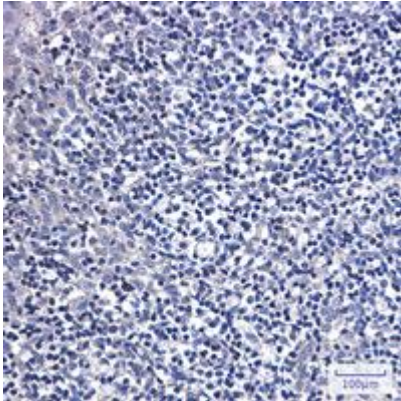


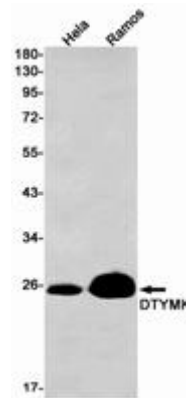
DTYMK RABBIT MAB**Cat.#:** N263306**Product Name:** Anti-DTYMK Rabbit Monoclonal Antibody**Synonyms:** CDC8; TMPK; TYMK; PP3731**UNIPROT ID:** P23919

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.

Immunogen: A synthetic peptide of human DTYMK**Applications:** WB,IHC-P,IP**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20**Host Species:** Rabbit**Clonality:** Rabbit Monoclonal**Clone ID:** R02-7H6**MW:** Calculated MW: 24 kDa; Observed MW: 24 kDa**Isotype:** IgG**Purification:** Affinity Purified**Species Reactivity:** Human**Conjugation:** Unconjugated**Modification:** Unmodified**Constituents:** PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide**Research Areas:** Epigenetics and Nuclear Signaling**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human tonsil using DTYMK antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of DTYMK in HeLa, Ramos lysates using DTYMK antibody.