

Product Name: DTYMK Rabbit Monoclonal antibody
Catalog #: AMRe02975



Summary

| | |
|------------------------|--|
| Production Name | DTYMK Rabbit Monoclonal antibody |
| Description | Recombinant Rabbit Monoclonal antibody |
| Host | Rabbit |
| Application | WB,IHC-P,IP |
| Reactivity | Human |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal Antibody |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA |
| Purification | Affinity Purified |

Immunogen

| | |
|--------------------------|--------------------------|
| Gene Name | DTYMK |
| Alternative Names | CDC8; TMPK; TYMK; PP3731 |
| Gene ID | 1841 |
| SwissProt ID | P23919. |

Application

| | |
|-------------------------|--|
| Dilution Ratio | WB: 1:500-1:1000 IHC: 1:50-1:100 IP: 1:20 |
| Molecular Weight | Calculated MW: 24 kDa; Observed MW: 24 kDa |

Background

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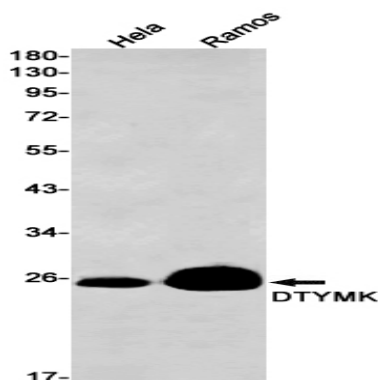


DTYMK (deoxythymidylate kinase (thymidylate kinase)), also known as CDC8, TMPK, TYMK or dTMP kinase, is a 212 amino acid protein that belongs to the thymidylate kinase family and is involved in pyrimidine metabolism. Specifically, DTYMK catalyzes the ATP-dependent conversion of dTMP (deoxythymidine monophosphate) 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.

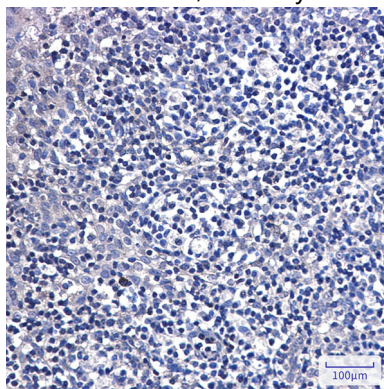
Research Area

Epigenetics and Nuclear Signaling

Image Data



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



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

Note

For research use only.