

Product Name: KD-Validated DTYMK Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01105

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 23.8kDa

Antigen Information

Gene Name	DTYMK DTYMK; Deoxythymidylate Kinase; CDC8; TYMK; TMPK; DTMP Kinase ; Deoxythymidylate
Alternative Names	Kinase (Thymidylate Kinase); Thymidylate Kinase; Thymidylate (DTMP) Kinase; EC 2.7.4.9; PP3731; CONPM
Gene ID	1841.0
SwissProt ID	P23919
Immunogen	A synthesized peptide derived from human DTYMK

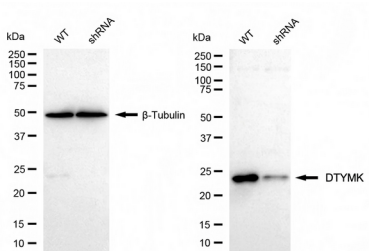
Background

Enables ATP binding activity and dTMP kinase activity. Involved in dTDP biosynthetic process and thymidine biosynthetic process. Located in mitochondrion. [provided by Alliance of Genome Resources, Jul 2025]

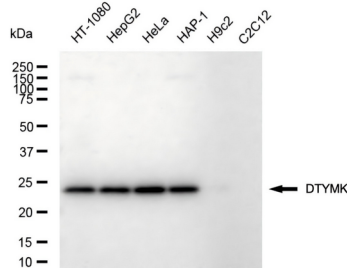
Research Area

Epigenetics and Nuclear Signaling

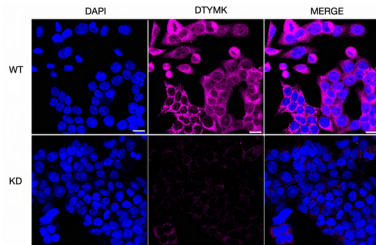
Image Data



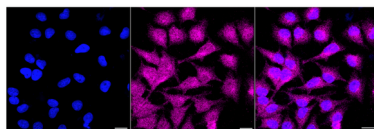
Western blotting analysis using DTYMK antibody (KVA01105). DTYMK expression in wild type (WT) and DTYMK shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with DTYMK antibody (KVA01105, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



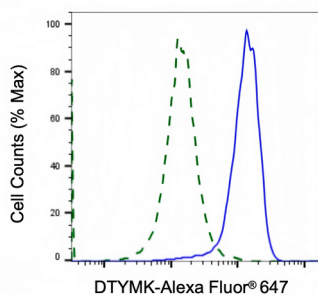
Western blotting analysis using DTYMK antibody (KVA01105). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DTYMK antibody (KVA01105, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using DTYMK antibody (KVA01105, 1:1,000). Top panel: wild-type (WT); Bottom panel: DTYMK shRNA knockdown (KD). Nuclei were stained blue with DAPI; DTYMK was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m. Permeabilization: Triton.



Immunocytochemical staining of HeLa cells with DTYMK antibody (KVA01105, 1:1,000). Nuclei were stained blue with DAPI; DTYMK was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Validation of DTYMK knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with DTYMK antibody (KVA01105, 1:2,000) and analyzed using BD flow cytometer.

