

Datasheet for ABIN1695407

anti-DTYMK antibody (AA 1-100) (AbBy Fluor® 488)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	DTYMK
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DTYMK antibody is conjugated to AbBy Fluor® 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DTYMK/CDC8
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DTYMK
Alternative Name:	DTYMK/CDC8 (DTYMK Products)
Background:	Synonyms: CDC8, Deoxythymidylate kinase thymidylate kinase, deoxythymidylate kinase, dTMP

Target Details

kinase, Dtymk, FLJ44192, KTHY_HUMAN, MGC198617, OTTHUMP00000164604, OTTHUMP00000200145, OTTHUMP00000200146, PP3731, Thymidylate kinase, TMPK, TYMK.

Background: DTYMK 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.

Gene ID: 1841

Pathways: [Nucleotide Phosphorylation](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months