

# Thymidylate Synthase Antibody

Rabbit mAb

Catalog # AP91518

## Product Information

<b>Application</b>	WB, IHC, IF, FC, ICC, IP, IHF
<b>Primary Accession</b>	<a href="#">P04818</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	dTMP synthase; HsT422; Thymidylate synthase; TMS; TS; TSase; Tyms; TYMS protein; Tyms thymidylate synthetase;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	35716

## Additional Information

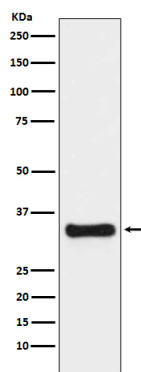
<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Thymidylate Synthase
<b>Description</b>	Contributes to the de novo mitochondrial thymidylate biosynthesis pathway.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	TYMS ( <a href="#">HGNC:12441</a> )
<b>Synonyms</b>	TS
<b>Function</b>	Catalyzes the reductive methylation of 2'-deoxyuridine 5'- monophosphate (dUMP) to thymidine 5'-monophosphate (dTMP), using the cosubstrate, 5,10-methylenetetrahydrofolate (CH <sub>2</sub> H <sub>4</sub> folate) as a 1- carbon donor and reductant and contributes to the de novo mitochondrial thymidylate biosynthesis pathway.
<b>Cellular Location</b>	Nucleus. Cytoplasm. Mitochondrion. Mitochondrion matrix. Mitochondrion inner membrane

## Images

Western blot analysis of Thymidylate Synthase expression in HeLa cell lysate.



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