

Thymidylate Synthase Antibody

Rabbit mAb Catalog # AP91518

Product Information

Application WB, IHC, IF, FC, ICC, IP, IHF

Primary Accession P04818

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names d TMP synthase; HsT422; Thymidylate synthase; TMS; TS; TSase; Tyms; TYMS

protein; Tyms thymidylate synthetase;

IsotypeRabbit IgGHostRabbitCalculated MW35716

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human Thymidylate Synthase

DescriptionContributes to the de novo mitochondrial thymidylate biosynthesis pathway.

Storage Condition and Buffer 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

Name TYMS (HGNC:12441)

Synonyms TS

Function Catalyzes the reductive methylation of 2'-deoxyuridine 5'- monophosphate

(dUMP) to thymidine 5'-monophosphate (dTMP), using the cosubstrate, 5,10-methylenetetrahydrofolate (CH2H4folate) as a 1- carbon donor and reductant and contributes to the de novo mitochondrial thymidylate biosynthesis

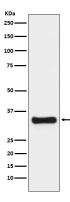
pathway.

Cellular Location Nucleus. Cytoplasm. Mitochondrion. Mitochondrion matrix. Mitochondrion

inner membrane

Images

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



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