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TYMS

Reactivity: Human

Tested applications:WB IHC IF FC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW:36kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human TYMS

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

TS; TMS; HST422;

Catalog #:A0017

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:7298

Isotype: IgG

Swiss Prot:P04818

Purity: Affinity purification

For research use only.

Background:

Thymidylate synthase catalyzes the methylation of deoxyuridylate to deoxythymidylate using 5,10-methylenetetrahydrofolate (methylene-THF) as a cofactor. This function maintains the dTMP (thymidine-5-prime monophosphate) pool critical for DNA replication and repair. The enzyme has been of interest as a target for cancer chemotherapeutic agents. It is considered to be the primary site of action for 5-fluorouracil, 5-fluoro-2-prime-deoxyuridine, and some folate analogs. Expression of this gene and that of a naturally occuring antisense transcript rTSalpha (GeneID:55556) vary inversely when cell-growth progresses from late-log to plateau phase. [provided by RefSeq, Jul 2008]

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