

Thymidylate Synthase Rabbit pAb

db2290

Package : 20µL 50µL 100µL

Product Name : Thymidylate Synthase Rabbit pAb**Cat.No.:** db2290**Synonyms** : TS; TMS; HST422**Application** : WB, IHC, ICC/IF, FC, IP**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

Thymidylate synthase catalyzes the methylation of deoxyuridylate to deoxythymidylate using, 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 occurring antisense transcript, mitochondrial enolase superfamily member 1 (GeneID:55556), vary inversely when cell-growth progresses from late-log to plateau phase. Polymorphisms in this gene may be associated with etiology of neoplasia, including breast cancer, and response to chemotherapy. [provided by RefSeq, Aug 2017]

Immunogen

A synthetic peptide of human Thymidylate Synthase

Gene ID

7298

Swiss Prot

P04818

Synonyms

TS; TMS; HST422

Reactivity

Human, Mouse, Rat

Application

WB, IHC, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000-1:5000

IHC: 1:20-1:50

ICC/IF: 1:20-1:50

FC: 1:20

IP: 1:20-1:50

Calculated MW

36 kDa

Observed MW

36 kDa

Host species

Rabbit

Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

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