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TS

Rabbit Monoclonal antibody(Mab)
Catalog # AD80365

Product Information

Application	IHC-P
Primary Accession	P04818
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Clone Names	625B1A3
Calculated MW	35716

Additional Information

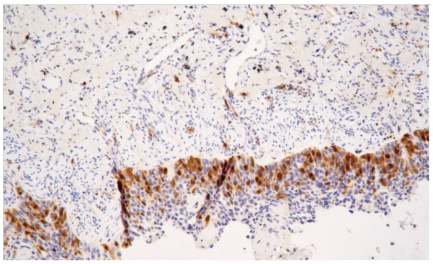
Gene ID	7298
Gene Name	TYMS
Other Names	Thymidylate synthase, TS, TSase, 2.1.1.45, TYMS (HGNC:12441), TS
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	TS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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 mitochondrial and nuclear de novo thymidylate biosynthesis pathway.
Cellular Location	Nucleus. Cytoplasm Mitochondrion. Mitochondrion matrix. Mitochondrion inner membrane. Note=Localized to the nucleus during S and G2/M phases of the cell cycle. As a component of the de novo thymidylate synthesis complex, localizes specifically to replication forks during DNA synthesis (PubMed:22235121)

Images

Immunohistochemical analysis of formalin-fixed and paraffin-embedded human lung adenocarcinoma tissue



was performed with TS primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.