

Thymidylate Synthase Rabbit mAb

Catalog # AP76174

Product Information

| | |
|--------------------------|---------------------------|
| Application | WB, IHC-P, IHC-F, IP, ICC |
| Primary Accession | P04818 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Calculated MW | 35716 |

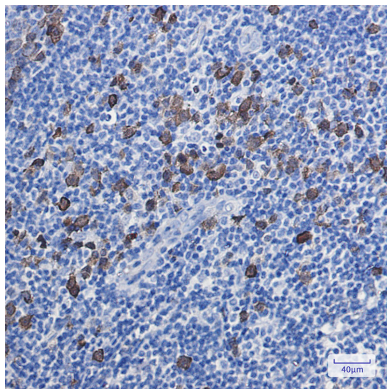
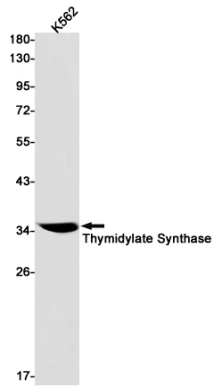
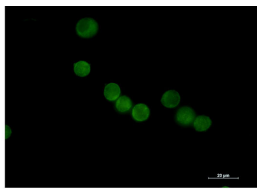
Additional Information

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|--------------------|--|
| Gene ID | 7298 |
| Other Names | TYMS |
| Dilution | WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~N/A ICC~~N/A |
| Format | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

Protein Information

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|--------------------------|---|
| 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 (CH ₂ H ₄ folate) 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



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