

Recombinant Thymidylate Synthase Monoclonal Antibody

catalog number: **AN301674L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

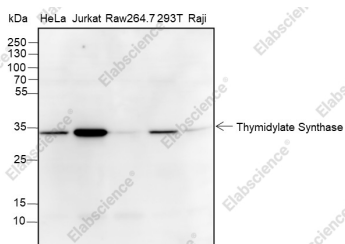
Reactivity	Human
Immunogen	Recombinant human Thymidylate Synthase fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C311297
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:500-1:1000
IHC	1:100-1:1000
IF	1:50
IP	1:25-1:100

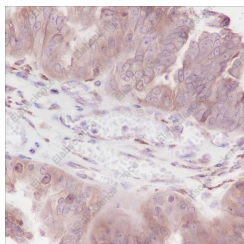
Data



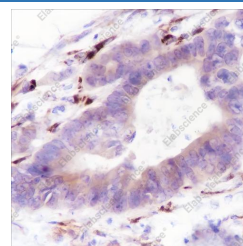
Western Blot with Thymidylate Synthase Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: Jurkat, Lane 3: Raw264.7, Lane 4: 293T, Raji

Observed-MW:34 kDa

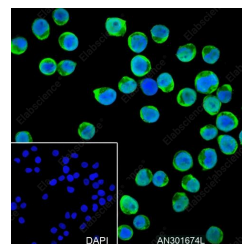
Calculated-MW:36 kDa



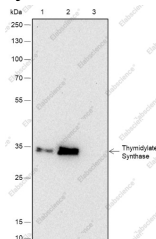
Immunohistochemistry of paraffin-embedded Human ovarian cancer using Thymidylate Synthase Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human colon cancer using Thymidylate Synthase Monoclonal Antibody at dilution of 1:1000.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Jurkat cells using anti-Thymidylate Synthase Monoclonal Antibody at dilution of 1:50.



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Rev. V1.2

Immunoprecipitation analysis using anti-Thymidylate Synthase Monoclonal Antibody. Western blot was performed from the immunoprecipitate using Thymidylate Synthase Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2: Thymidylate Synthase Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG

Isotype

Observed-MW:34 kDa

Calculated-MW:36 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Thymidylate synthase (TS) is a key enzyme in the synthesis of 2'-deoxythymidine-5'-monophosphate, an essential precursor for DNA biosynthesis. Thymine nucleotide synthase is a key enzyme in the de novo synthesis pathway of mitochondrial thymine. For this reason, it is a key target for cancer chemotherapy, and considered to be the main target of 5-fluorouric acid, 5-fluoro-2'-deoxyribonucleic acid and some folate compounds.

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