

A Reliable Research Partner in Life Science and Medicine

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
 IgG, κ

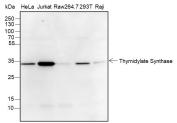
 Clone
 A377

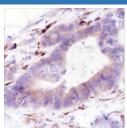
Purification Protein A purified

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 |

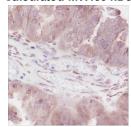
Data

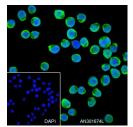




Western Blot with Thymidylate Synthase Monoclonal Immunohistochemistry of paraffin-embedded Human colon Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: Jurkat, cancer using Thymidylate Synthase Monoclonal Antibody at Lane 3: Raw264.7, Lane 4: 293T, Raji dilution of 1:1000.

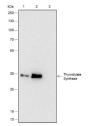
Observed-MW:34 kDa Calculated-MW:36 kDa





Immunohistochemistry of paraffin-embedded Human ovarian Immunofluorescent analysis of (4% Paraformaldehyde) fixed cancer using Thymidylate Synthase Monoclonal Antibody at Jurkat cells using anti-Thymidylate Synthase Monoclonal dilution of 1:100.

Antibody at dilution of 1:50.



For Research Use Only

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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 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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