





Anti-Thymidylate Synthase antibody ab168853

2 Images

Overview

Product name	Anti-Thymidylate Synthase antibody
Description	Rabbit polyclonal to Thymidylate Synthase
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	<p>Reacts with: Mouse, Human</p> <p>Predicted to work with: Rat, Rabbit, Cow, Dog, Pig, Chimpanzee, Lizard, Rhesus monkey, Gorilla, Chinese hamster, Orangutan, Elephant </p>
Immunogen	<p>Synthetic peptide, corresponding to a region within amino acids 263-313 of Human Thymidylate Synthase (NP_001062.1).</p> <p> Run BLAST with  Run BLAST with </p>
Positive control	WB: Jurkat, 293T, HeLa, mouse TCMK-1 and mouse NIH3T3 whole cell lysates. IP: Jurkat whole cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	<p>pH: 7</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: 99% Tris citrate/phosphate</p> <p>pH 7 to 8</p>
Purity	Immunogen affinity purified

Purification notes	ab168853 was affinity purified using an epitope specific to Thymidylate Synthase immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

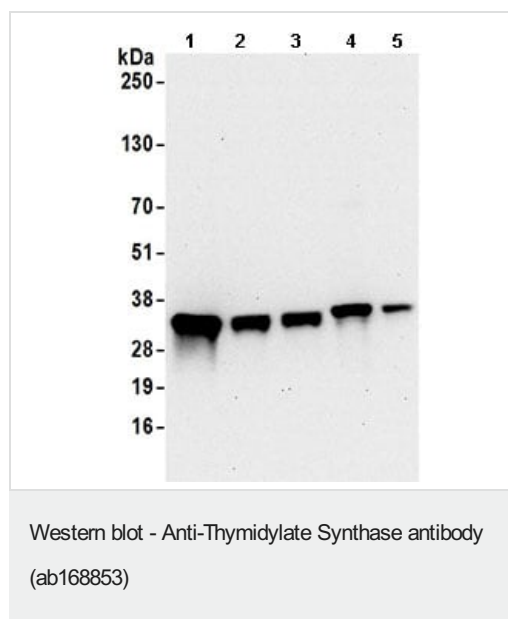
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab168853 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 36 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

Function	Contributes to the de novo mitochondrial thymidylate biosynthesis pathway.
Pathway	Pyrimidine metabolism; dTTP biosynthesis.
Sequence similarities	Belongs to the thymidylate synthase family.
Cellular localization	Nucleus. Cytoplasm. Mitochondrion. Mitochondrion matrix. Mitochondrion inner membrane.

Images



All lanes : Anti-Thymidylate Synthase antibody (ab168853) at 0.1 µg/ml

Lane 1 : Jurkat whole cell lysate

Lane 2 : 293T whole cell lysate

Lane 3 : HeLa whole cell lysate

Lane 4 : TCMK-1 whole cell lysate

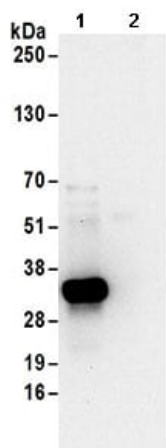
Lane 5 : NIH3T3 whole cell lysate

Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

Predicted band size: 36 kDa

Exposure time: 30 seconds



Immunoprecipitation - Anti-Thymidylate Synthase antibody (ab168853)

Detection of Thymidylate Synthase in Immunoprecipitates of Jurkat whole cell lysate (1 mg for IP, 20% of IP loaded) using ab168853 at 6 µg/mg lysate for IP (Lane 1) and at 1 µg/ml for subsequent Western blot detection. Lane 2 represents control IgG IP. Detection: Chemiluminescence with an exposure time of 10 seconds.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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