Anti-Thymidylate Synthase Recombinant Rabbit Monoclonal Antibody

GenuIN BIOTECH
REAL MATTERS

Catalog #: 3100

Aliases

TYMS; Thymidylate Synthetase; HsT422; Tsase; TMS; TS; Thymidylate Synthase; EC 2.1.1.45; TSase; DKCD

Background

Gene Name: TYMS
NCBI Gene Entry: 7298
UniProt Entry: P04818

Application Information

Molecular Weight: Predicted, 36 kDa; observed, 36 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB4065
Species Reactivity: Human, mouse
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Thymidylate Synthase

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

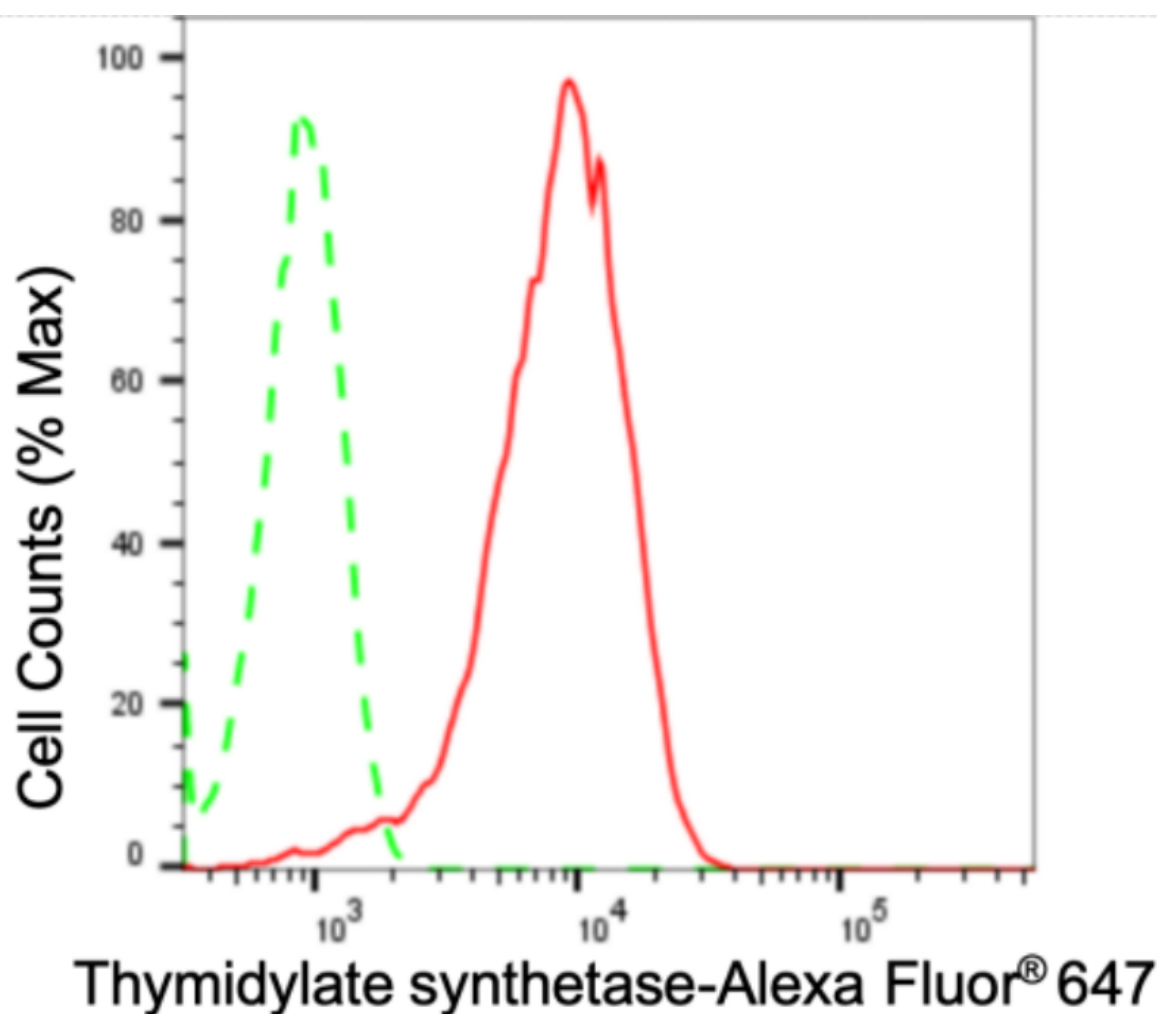**Note:** This product is for research use only.

Validation Data

Flow cytometric analysis of thymidylate synthetase expression in HepG2 cells using anti-thymidylate synthetase antibody (Cat#3100, 1:2,000). Green, isotype control; red, thymidylate synthetase.
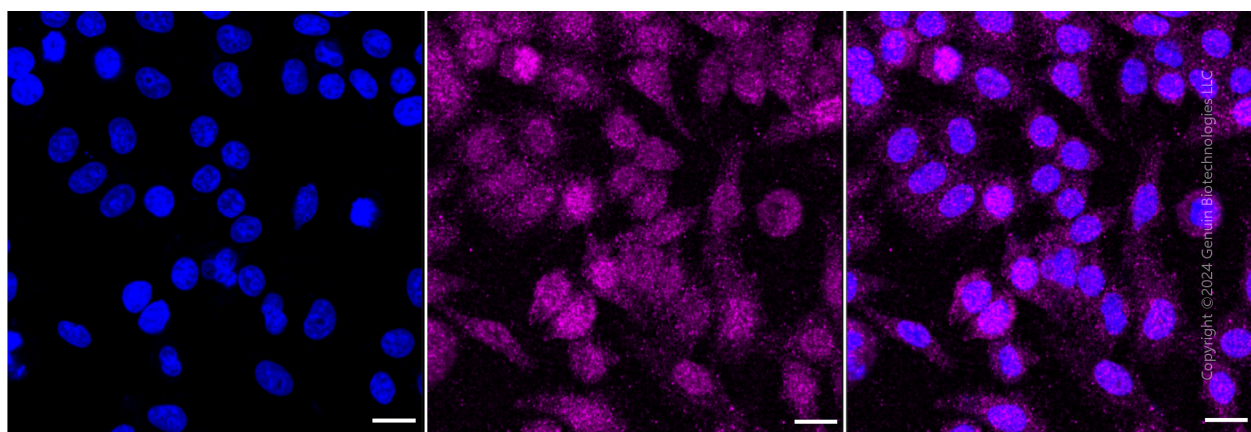

Immunocytochemical staining of HepG2 cells with anti-Thymidylate synthetase antibody (Cat#3100, 1:1,000). Nuclei were stained blue with DAPI; Thymidylate synthetase was stained

SUPPORT
SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS
SALES@GENUINBIOTECH.COM
FAX:+1-540-855-7041

WWW.GENUINBIOTECH.COM

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magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Meduim. Scale bar: 20 μm.
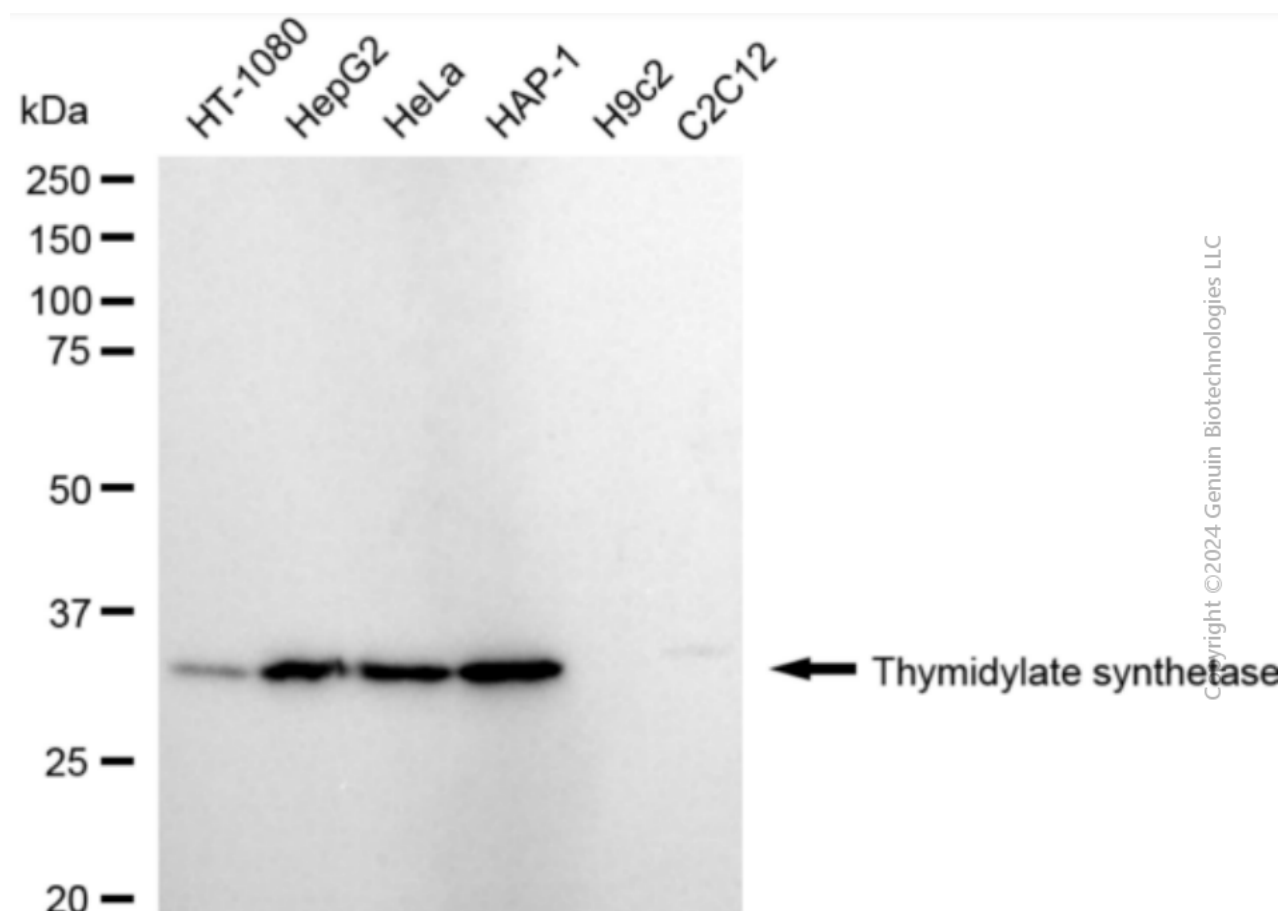
Western blotting analysis using anti-thymidylate synthetase antibody (Cat#3100). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-thymidylate synthetase antibody (Cat#3100, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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