

Product datasheet

Anti-Thymidylate Synthase antibody [EPR4545] ab108995

RabMAb

★★★★★ 1 Abreviews 5 References 7 图像

概述

产品名称	Anti-Thymidylate Synthase抗体[EPR4545]
描述	兔单克隆抗体[EPR4545] to Thymidylate Synthase
宿主	Rabbit
特异性	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
经测试应用	适用于: WB, IP, IHC-P, ICC, Flow Cyt
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Thymidylate Synthase aa 300 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: P04818
阳性对照	HeLa, Jurkat, HL60 and MCF7 cell lysates; Human ovary carcinoma and colon carcinoma tissue.
常规说明	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team. This product is a recombinant rabbit monoclonal antibody.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, PBS, 0.05% BSA
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR4545
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab108995** in the following tested applications.

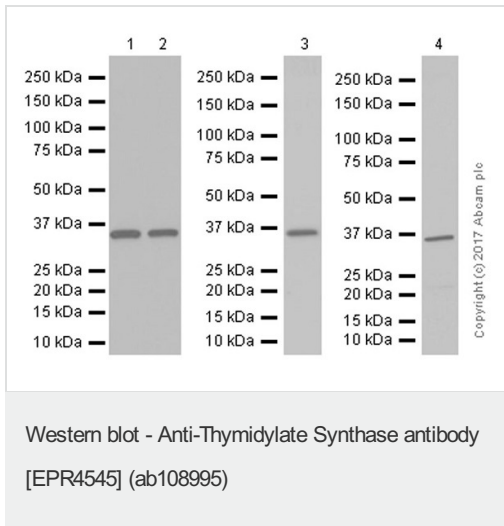
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/1000 - 1/10000. Predicted molecular weight: 36 kDa.
IP		1/10 - 1/100.
IHC-P	★★★★★	1/50 - 1/100. Heat up to 98°C, below boiling, and then let cool for 10-20 minutes. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
ICC		1/100 - 1/250.
Flow Cyt		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

靶标

功能	Contributes to the de novo mitochondrial thymidylate biosynthesis pathway.
通路	Pyrimidine metabolism; dTTP biosynthesis.
序列相似性	Belongs to the thymidylate synthase family.
细胞定位	Nucleus. Cytoplasm. Mitochondrion. Mitochondrion matrix. Mitochondrion inner membrane.

图片



All lanes : Anti-Thymidylate Synthase antibody [EPR4545] (ab108995) at 1/10000 dilution (purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates

Lane 3 : C6 (Rat glial tumor glial cell) whole cell lysates

Lane 4 : RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysates

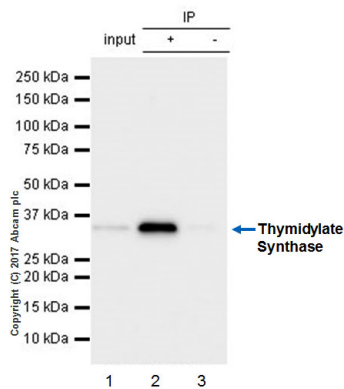
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 36 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-Thymidylate Synthase antibody [EPR4545] (ab108995)

ab108995 (purified) at 1:30 dilution (2µg) immunoprecipitating Thymidylate Synthase in Jurkat whole cell lysate.

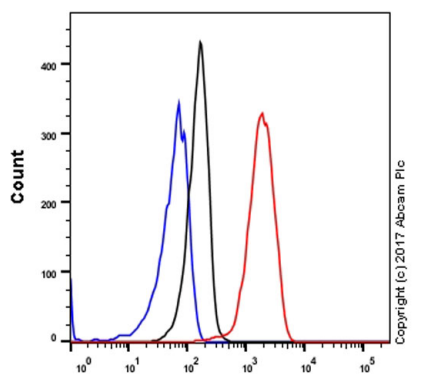
Lane 1 (input): Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate, 10µg

Lane 2 (+): ab108995 & Jurkat whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab108995 in Jurkat whole cell lysate

For western blotting, VeriBlot for IP secondary antibody (HRP) (ab131366) was used as the secondary antibody at 1:1000 dilution.

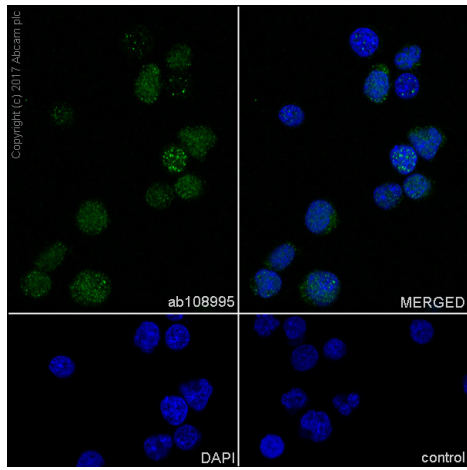
Blocking and diluting buffer: 5% NFDm/TBST.



Thymidylate Synthase - Alexa Fluor® 488 (530/30 BP)

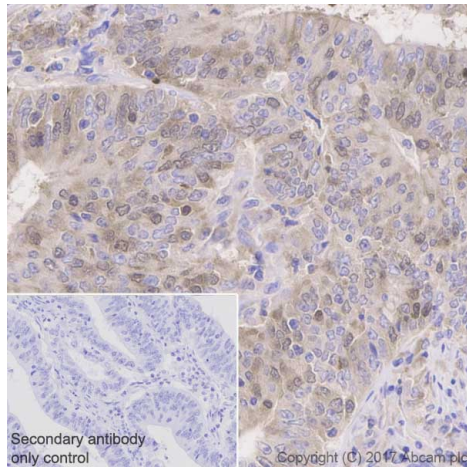
Flow Cytometry - Anti-Thymidylate Synthase antibody [EPR4545] (ab108995)

Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Thymidylate Synthase with purified ab108995 at 1:50 dilution (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1:2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



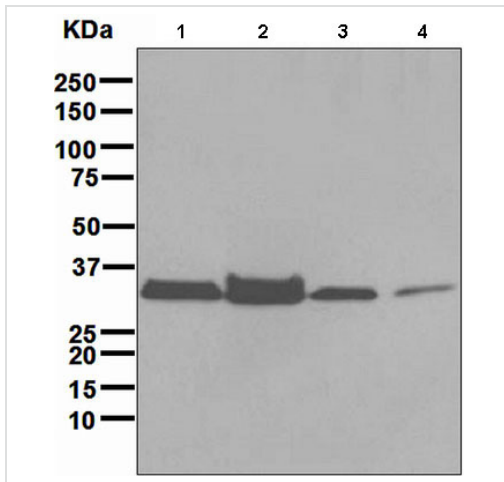
Immunocytochemistry/ Immunofluorescence - Anti-Thymidylate Synthase antibody [EPR4545] (ab108995)

Immunocytochemistry/ Immunofluorescence analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling Thymidylate Synthase with Purified ab108995 at 1:100 dilution. Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100 ab150077 Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thymidylate Synthase antibody [EPR4545] (ab108995)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon carcinoma tissue sections labeling Thymidylate Synthase with purified ab108995 at 1:100 dilution. Heat mediated antigen retrieval was performed using ab93684 (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-Thymidylate Synthase antibody [EPR4545] (ab108995)

All lanes : Anti-Thymidylate Synthase antibody [EPR4545] (ab108995) at 1/1000 dilution (unpurified)

Lane 1 : HeLa cell lysate

Lane 2 : Jurkat cell lysate

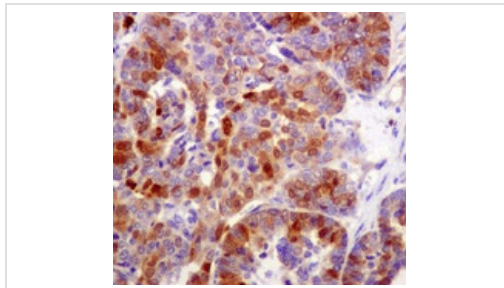
Lane 3 : HL60 cell lysate

Lane 4 : MCF7 cell lysate

Lysates/proteins at 10 µg per lane.

Performed under reducing conditions.

Predicted band size: 36 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thymidylate Synthase antibody [EPR4545] (ab108995)

Unpurified ab108995 at 1/50 dilution, staining Thymidylate Synthase in Human ovary carcinoma Immunohistochemistry, Paraffin-embedded tissue.

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