

Anti-MTAP antibody [2G4] ab55517

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Overview

Product name	Anti-MTAP antibody [2G4]
Description	Mouse monoclonal [2G4] to MTAP
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human MTAP. Immunogen based on GenBank: AAH18625.1.
General notes	<p>This product was changed from ascites to tissue culture supernatant on 30 April 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituent: PBS
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	2G4
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab55517 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		Use at an assay dependent concentration. Predicted molecular weight: 31 kDa.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function

Plays a major role in polyamine metabolism and is important for the salvage of both adenine and methionine.

Tissue specificity

Ubiquitously expressed.

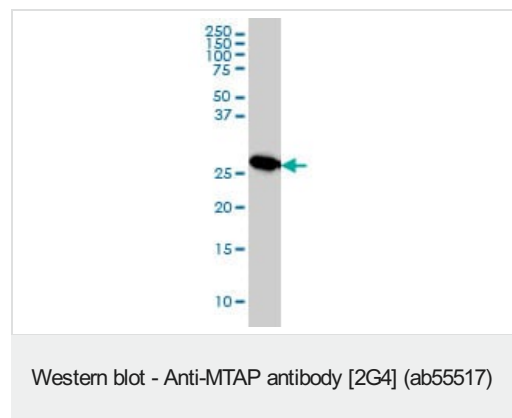
Sequence similarities

Belongs to the PNP/MTAP phosphorylase family.

Cellular localization

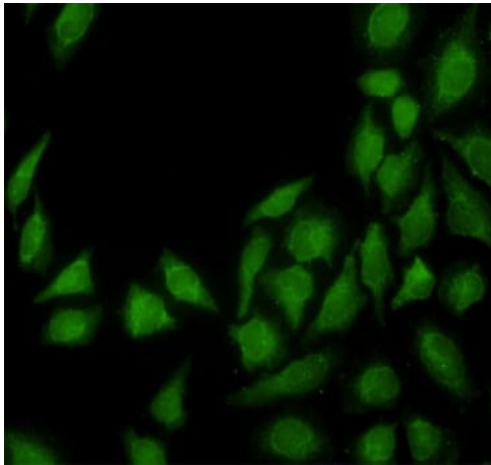
Cytoplasm.

Images



MTAP antibody (ab55517) at 1 µg/lane + HeLa cell lysate at 25 µg/lane.

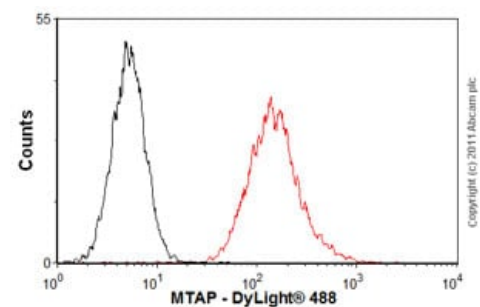
This image was generated using the ascites version of the product.



Immunocytochemistry/ Immunofluorescence - Anti-MTAP antibody [2G4] (ab55517)

ab55517 at 10 µg/ml staining MTAP in human Hella cells by Immunocytochemistry/ Immunofluorescence.

This image was generated using the ascites version of the product.



Flow Cytometry - Anti-MTAP antibody [2G4] (ab55517)

Overlay histogram showing HeLa cells stained with ab55517 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab55517, 2 µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2 µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

This image was generated using the ascites version of the product.

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