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MTHFS Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18596B

Specification

MTHFS Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P49914
Other Accession	NP_006432.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23256**
Antigen Region	**133-159**

MTHFS Antibody (C-term) - Additional Information

Gene ID 10588

Other Names
5-formyltetrahydrofolate cyclo-ligase, 10-methenyl-tetrahydrofolate synthetase, MTHFS, Methenyl-THF synthetase, MTHFS

Target/Specificity
This MTHFS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 133-159 amino acids from the C-terminal region of human MTHFS.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MTHFS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MTHFS Antibody (C-term) - Protein Information

Name MTHFS

Function Contributes to tetrahydrofolate metabolism. Helps regulate carbon flow through the

folate-dependent one-carbon metabolic network that supplies carbon for the biosynthesis of purines, thymidine and amino acids. Catalyzes the irreversible conversion of 5-formyltetrahydrofolate (5-FTHF) to yield 5,10-methenyltetrahydrofolate.

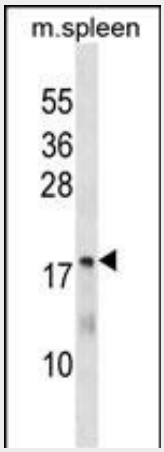
Cellular Location
Cytoplasm.

MTHFS Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MTHFS Antibody (C-term) - Images



MTHFS Antibody (C-term) (Cat. #AP18596b) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the MTHFS antibody detected the MTHFS protein (arrow).

MTHFS Antibody (C-term) - Background

MTHFS contributes to tetrahydrofolate metabolism. Helps regulate carbon flow through the folate-dependent one-carbon metabolic network that supplies carbon for the biosynthesis of purines, thymidine and amino acids.

MTHFS Antibody (C-term) - References

Kelemen, L.E., et al. Cancer Epidemiol. Biomarkers Prev. 19(7):1822-1830(2010)
Hazra, A., et al. Cancer Causes Control 21(3):331-345(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Wu, D., et al. Cancer Res. 69(18):7294-7301(2009)
Franke, B., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 85(3):216-226(2009)