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MTHFR Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19824C

Specification

MTHFR Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P42898
Other Accession	Q9WU20, Q60HE5, Q5I598, NP_005948.3
Reactivity	**Human**
Predicted	**Bovine, Monkey, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**266-292**

MTHFR Antibody (Center) - Additional Information

Gene ID 4524

Other Names
Methylenetetrahydrofolate reductase, MTHFR

Target/Specificity
This MTHFR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 266-292 amino acids from the Central region of human MTHFR.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

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
MTHFR Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MTHFR Antibody (Center) - Protein Information

Name MTHFR (HGNC:7436)

Function Catalyzes the conversion of 5,10-methylenetetrahydrofolate to

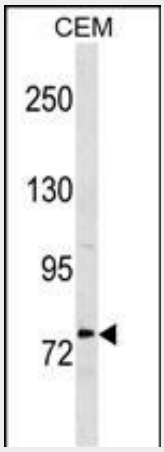
5-methyltetrahydrofolate, a cosubstrate for homocysteine remethylation to methionine (PubMed:29891918). Represents a key regulatory connection between the folate and methionine cycles (Probable).

MTHFR Antibody (Center) - 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

MTHFR Antibody (Center) - Images



MTHFR Antibody (Center) (Cat. #AP19824c) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the MTHFR antibody detected the MTHFR protein (arrow).

MTHFR Antibody (Center) - Background

The protein encoded by this gene catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine. Genetic variation in this gene influences susceptibility to occlusive vascular disease, neural tube defects, colon cancer and acute leukemia, and mutations in this gene are associated with methylenetetrahydrofolate reductase deficiency.

MTHFR Antibody (Center) - References

Singh, K., et al. J Postgrad Med 56(4):267-269(2010)
Harisha, P.N., et al. J Neurosurg Pediatr 6(4):364-367(2010)
Wu, H.C., et al. Anticancer Res. 30(9):3573-3577(2010)
Magnowski, P., et al. Ginekol. Pol. 81(7):506-510(2010)
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