

Rabbit MTHFR Polyclonal Antibody | anti-MTHFR antibody

MTHFR Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287523	Rabbit	Human (Predicted Reactivity: Bovine, Monkey, Mouse)	ELISA, Western Blot

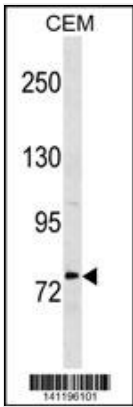
PRODUCT SYNONYMS

MTHFR; Polyclonal Antibody; MTHFR Antibody (Center); Methylene tetrahydrofolate reductase; anti-MTHFR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	266-292
Sequence Length	697
Applicable Applications for anti-MTHFR antibody	ELISA, WB (Western Blot)
Calculated MW	74597
Function	Catalyzes the conversion 5,10- methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine.
Preparation and 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.

IMAGES



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

ADDITIONAL INFORMATION

Related Product Information for anti-MTHFR antibody	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.
Product Categories/Family for anti-MTHFR antibody	Metabolism; Signal Transduction
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) Kristensen, M.H., et al. J. Int. Med. Res. 38(3):870-883(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	87240000
NCBI GeneID	4524
NCBI Accession #	NP_005948.3
NCBI GenBank Nucleotide #	NM_005957.4
UniProt Accession #	P42898; Q5SNW6; Q5SNW9; Q7Z6M6; Q8IU73; Q9UQR2; B2R7A6
NCBI Official Full Name	methylenetetrahydrofolate reductase
NCBI Official Synonym Full Names	methylenetetrahydrofolate reductase (NAD(P)H)
NCBI Official Symbol	MTHFR
NCBI Protein Information	methylenetetrahydrofolate reductase
UniProt Protein Name	Methylenetetrahydrofolate reductase
UniProt Gene Name	MTHFR
UniProt Entry Name	MTHR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mthfr-antibody-western-blot-elisa/287523>