

Rabbit MTHFD1 Polyclonal Antibody | anti-MTHFD1 antibody

MTHFD1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199676	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

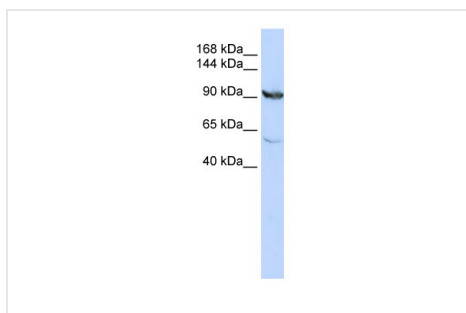
PRODUCT SYNONYMS

MTHFD1; Polyclonal Antibody; MTHFD1 antibody - N-terminal region; anti-MTHFD1 antibody

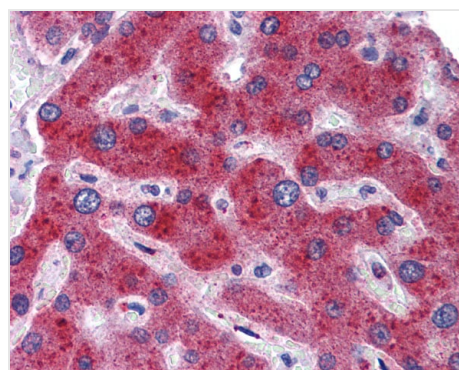
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: RT TTESEVMKYI TSLNEDSTVH GFLVQLPLDS ENSINTEEVINAIAPKED
Sequence Length	935
Applicable Applications for anti-MTHFD1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 92%; Dog: 92%; Guinea Pig: 92%; Horse: 92%; Human: 100%; Mouse: 100%; Rabbit: 85%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human MTHFD1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-MTHFD1 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:12500
 Positive Control: HepG2 cell lysate
 MTHFD1 is supported by BioGPS gene expression data to be expressed in HepG2


IHC (Immunohistochemistry)

Liver

ADDITIONAL INFORMATION

Related Product Information for anti-MTHFD1 antibody	This is a rabbit polyclonal antibody against MTHFD1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: MTHFD1 possesses three distinct enzymatic activities, 5,10-methylenetetrahydrofolate dehydrogenase, 5,10-methenyltetrahydrofolate cyclohydrolase and 10-formyltetrahydrofolate synthetase. Each of these activities catalyzes one of three sequential reactions in the interconversion of 1-carbon derivatives of tetrahydrofolate, which are substrates for methionine, thymidylate, and de novo purine syntheses. The trifunctional enzymatic activities are conferred by two major domains, an aminoterminal portion containing the dehydrogenase and cyclohydrolase activities and a larger synthetase domain.This gene encodes a protein that possesses three distinct enzymatic activities, 5,10-methylenetetrahydrofolate dehydrogenase, 5,10-methenyltetrahydrofolate cyclohydrolase and 10-formyltetrahydrofolate synthetase. Each of these activities catalyzes one of three sequential reactions in the interconversion of 1-carbon derivatives of tetrahydrofolate, which are substrates for methionine, thymidylate, and de novo purine syntheses. The trifunctional enzymatic activities are conferred by two major domains, an aminoterminal portion containing the dehydrogenase and cyclohydrolase activities and a larger synthetase domain. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-MTHFD1 antibody	Polyclonal; Transcription Factor; Signal Proteins; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; Disease Related; DNA/RNA/Protein Interactions; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	222136639
NCBI GeneID	4522
NCBI Accession #	NP_005947
NCBI GenBank Nucleotide #	NM_005956
UniProt Accession #	P11586
Molecular Weight	101kDa
NCBI Official Full Name	C-1-tetrahydrofolate synthase, cytoplasmic isoform 1
NCBI Official Synonym Full Names	methylenetetrahydrofolate dehydrogenase, cyclohydrolase and formyltetrahydrofolate synthetase 1
NCBI Official Symbol	MTHFD1
NCBI Official Synonym Symbols	CIMAH; MTHFC; MTHFD
NCBI Protein Information	C-1-tetrahydrofolate synthase, cytoplasmic
UniProt Protein Name	C-1-tetrahydrofolate synthase, cytoplasmic
UniProt Gene Name	MTHFD1
UniProt Synonym Gene Names	MTHFC; MTHFD; C1-THF synthase
UniProt Entry Name	C1TC_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/mthfd1-antibody-western-blot-immunohistochemistry-elisa/199676>