

Rabbit MTHFD1L Polyclonal Antibody | anti-MTHFD1L antibody

MTHFD1L Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323249	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

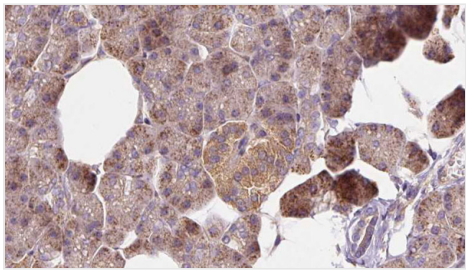
PRODUCT SYNONYMS

MTHFD1L; Polyclonal Antibody; MTHFD1L Antibody; 10-formyl-THF synthetase; C1TM_HUMAN; Formyltetrahydrofolate synthetase; formyltetrahydrofolate synthetase domain containing 1; FTHFSDC1; methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like; mitochondrial; Monofunctional C1-tetrahydrofolate synthase; MTC1THFS; RP1-292B18.2; anti-MTHFD1L antibody

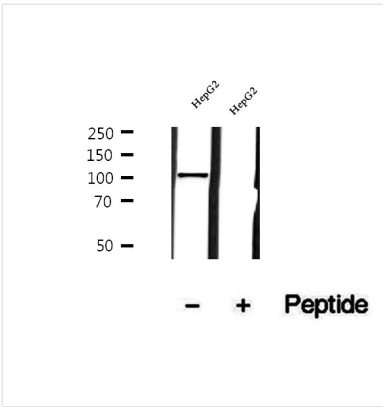
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MTHFD1L antibody detects endogenous levels of MTHFD1L.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	979
Applicable Applications for anti-MTHFD1L antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MTHFD1L.
Subcellular Location	Mitochondrion.
Tissue Specificity	Detected in most tissues, highest expression found in placenta, thymus and brain. Low expression is found in liver and skeletal muscle. Up-regulated in colon adenocarcinoma.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (80%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (80%), Xenopus (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323249 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of HepG2 cells, using MTHFD1L antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MTHFD1L antibody	Function: May provide the missing metabolic reaction required to link the mitochondria and the cytoplasm in the mammalian model of one-carbon folate metabolism in embryonic an transformed cells complementing thus the enzymatic activities of MTHFD2. Subunit Structure: Homodimer. Similarity: This monofunctional enzyme consists of two major domains: an N-terminal inactive methylene-THF dehydrogenase and cyclohydrolase domain and an active larger formyl-THF synthetase C-terminal domain.In the N-terminal section; belongs to the tetrahydrofolate dehydrogenase/cyclohydrolase family.In the C-terminal section; belongs to the formate--tetrahydrofolate ligase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	337756501
NCBI GeneID	25902
NCBI Accession #	NP_001229696.1
NCBI GenBank Nucleotide #	NM_001242767.1
UniProt Accession #	Q6UB35; Q2TBF3; Q8WVW0; Q96HG8; Q9H789; Q9UFU8
Molecular Weight	Observed: 106 kDa Predicted: 106 kDa
NCBI Official Full Name	monofunctional C1-tetrahydrofolate synthase, mitochondrial isoform 1
NCBI Official Synonym Full Names	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1 like
NCBI Official Symbol	MTHFD1L
NCBI Official Synonym Symbols	FTHFSDC1; MTC1THFS; dJ292B18.2
NCBI Protein Information	monofunctional C1-tetrahydrofolate synthase, mitochondrial
UniProt Protein Name	Monofunctional C1-tetrahydrofolate synthase, mitochondrial
UniProt Gene Name	MTHFD1L
UniProt Synonym Gene Names	FTHFSDC1

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.