

Rabbit MTHFD2 Polyclonal Antibody | anti-MTHFD2 antibody

MTHFD2 Antibody

CATALOG # AAA323037	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

MTHFD2; Polyclonal Antibody; MTHFD2 Antibody; Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase; mitochondrial; Descriptions; Methenyltetrahydrofolate cyclohydrolase; methylene tetrahydrofolate dehydrogenase (NAD⁺ dependent); methylenetetrahydrofolate dehydrogenase (NADP⁺ dependent) 2; methylenetetrahydrofolate dehydrogenase (NADP⁺ dependent); methylenetetrahydrofolate dehydrogenase 2; MGC82516; MTDC_HUMAN; mthfd2 methylene tetrahydrofolate dehydrogenase (NAD⁺ dependent); NAD-dependent methylene tetrahydrofolate dehydrogenase; NAD-dependent methylenetetrahydrofolate dehydrogenase; NMDMC; anti-MTHFD2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MTHFD2 antibody detects endogenous levels of MTHFD2.
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	350
Applicable Applications for anti-MTHFD2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MTHFD2.
Subcellular Location	Mitochondrion.
Tissue Specificity	Expressed only in developing normal tissues.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (92%), Dog (92%), Chicken (83%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA323037 at 1/100 staining Human lymph 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 mouse testis tissue, using MTHFD2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MTHFD2 antibody	Function: Although its dehydrogenase activity is NAD-specific, it can also utilize NADP at a reduced efficiency. Subunit Structure: Homodimer. Similarity: Belongs to the tetrahydrofolate dehydrogenase/cyclohydrolase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94721354
NCBI GeneID	10797
NCBI Accession #	NP_006627.2
NCBI GenBank Nucleotide #	NM_006636.3
UniProt Accession #	P13995; Q53G90; Q53GV5; Q53S36; Q7Z650
Molecular Weight	Observed: 38 kDa Predicted: 38 kDa
NCBI Official Full Name	bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial
NCBI Official Synonym Full Names	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase
NCBI Official Symbol	MTHFD2
NCBI Official Synonym Symbols	NMDMC
NCBI Protein Information	bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial
UniProt Protein Name	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial
UniProt Gene Name	MTHFD2
UniProt Synonym Gene Names	NMDMC

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/mthfd2-antibody-immunohistochemistry-western-blot-elisa/323037>