

Rabbit MTHFD2 Polyclonal Antibody | anti-MTHFD2 antibody

MTHFD2 Polyclonal Antibody

CATALOG # AAA22174	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

MTHFD2; Polyclonal Antibody; MTHFD2 Polyclonal Antibody; NMDMC; anti-MTHFD2 antibody

PRODUCT SPECIFICATIONS

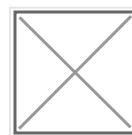
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-MTHFD2 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	IHC: 1:50-1:200 IF: 1:50-1:200
Immunogen	Recombinant fusion protein of human MTHFD2 (NP_0066272)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



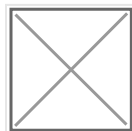
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using MTHFD2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



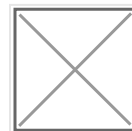
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using MTHFD2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using MTHFD2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse kidney using MTHFD2 Polyclonal Antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Rat kidney using MTHFD2 Polyclonal Antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human liver cancer using MTHFD2 Polyclonal Antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-MTHFD2 antibody	This gene encodes a nuclear-encoded mitochondrial bifunctional enzyme with methylenetetrahydrofolate dehydrogenase and methenyltetrahydrofolate cyclohydrolase activities. The enzyme functions as a homodimer and is unique in its absolute requirement for magnesium and inorganic phosphate. Formation of the enzyme-magnesium complex allows binding of NAD. Alternative splicing results in two different transcripts, one protein-coding and the other not protein-coding. This gene has a pseudogene on chromosome 7.
Product Categories/Family for anti-MTHFD2 antibody	Polyclonal Antibody

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	26,849 Da
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
UniProt Entry Name	MTDC_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/mthfd2-antibody-immunohistochemistry-immunofluorescence-elisa/22174>