

## MTHFD2 Antibody (C-term)

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8667b

## **Specification**

# MTHFD2 Antibody (C-term) - Product Information

Application WB,E
Primary Accession P13995

Reactivity Human, Mouse Predicted Human, Mouse

Host Mouse
Clonality monoclonal
Isotype IgG1, κ
Calculated MW 37895

## MTHFD2 Antibody (C-term) - Additional Information

### **Gene ID 10797**

# **Other Names**

Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial, NAD-dependent methylenetetrahydrofolate dehydrogenase, 1.5.1.15, Methenyltetrahydrofolate cyclohydrolase, 3.5.4.9, MTHFD2, NMDMC

# Target/Specificity

This MTHFD2 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 266-299 amino acids from the C-terminal region of human MTHFD2.

### **Dilution**

WB~~1:4000

E~~Use at an assay dependent concentration.

#### **Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

#### 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.

### **Precautions**

MTHFD2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# MTHFD2 Antibody (C-term) - Protein Information

### Name MTHFD2



# **Synonyms NMDMC**

**Function** Although its dehydrogenase activity is NAD-specific, it can also utilize NADP at a reduced efficiency.

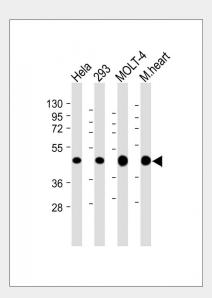
**Cellular Location**Mitochondrion.

## MTHFD2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# MTHFD2 Antibody (C-term) - Images



All lanes: Anti-MTHFD2 Antibody (C-term) at 1:4000 dilution Lane 1: Hela whole cell lysate Lane 2: 293 whole cell lysate Lane 3: MOLT-4 whole cell lysate Lane 4: Mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 38 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

# MTHFD2 Antibody (C-term) - References

Peri K.G.,et al.Nucleic Acids Res. 17:8853-8853(1989). Ota T.,et al.Nat. Genet. 36:40-45(2004). Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/D

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Hillier L.W., et al. Nature 434:724-731(2005).