

JC053429

MTHFD1 Antibody



- 50ul
- 100 uL

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### Description:

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.

**Uniprot :** A4FUD0, P11586

### Alternative Names:

5,10 methylenetetrahydrofolate dehydrogenase 5,10 methylenetetrahydrofolate cyclohydrolase,10 formyltetrahydrofolate synthetase; C 1 tetrahydrofolate synthase cytoplasmic; C1 tetrahydrofolate synthase cytoplasmic; C1 THF synthase; C1-THF synthase; C1TC; C1TC\_HUMAN; Cytoplasmic C 1 tetrahydrofolate synthase; Formyltetrahydrofolate synthetase; Methenyltetrahydrofolate cyclohydrolase; Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) methenyltetrahydrofolate cyclohydrolase formyltetrahydrofolate synthetase; Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1 methenyltetrahydrofolate cyclohydrolase formyltetrahydrofolate synthetase; Methylenetetrahydrofolate dehydrogenase; MTHFC; MTHFD; MTHFD1; NADP dependent cyclohydrolase formyltetrahydrofolate synthetase; OTTHUMP00000180657;

**Reactivity :** Cow, Human, Mouse, Rat

**Source :** Mouse monoclonal

**Mol.Wt. :** 101kDa

**Storage Condition :** Store at -20 °C. Stable for 12 months from date of receipt.

**Application :** WB 1:500-1:2000, IP 1:50-100

