## antibodies .- online.com







## anti-MTHFD1 antibody (AA 50-100)



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Quantity:	100 μg
Target:	MTHFD1
Binding Specificity:	AA 50-100
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTHFD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## **Product Details**

Purpose:	Rabbit anti-MTHFD1 Antibody, Affinity Purified
Immunogen:	Between AA 50 and 100
Isotype:	IgG
Predicted Reactivity:	Orangutan
Purification:	Affinity Purified

## Target Details

Target:	MTHFD1	
Alternative Name:	MTHFD1 (MTHFD1 Products)	
Background:	Background: Methylenetetrahydrofolate dehydrogenase (MTHFD1) 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 [taken from NCBI Entrez Gene (Gene ID: 4522)].

Gene ID: 4522

UniProt: P11586

Pathways: Methionine Biosynthetic Process

**Application Details** 

Application Notes: IP: 2 - 10 µg/mg lysate

WB: 1:2,000 - 1:10,000

12 months

Restrictions: For Research Use only

Handling

**Expiry Date:** 

Concentration: 1000 μg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C