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Datasheet for ABIN7450465 anti-MTHFD1 antibody (AA 150-200)

Overview

Quantity:	100 µg
Target:	MTHFD1
Binding Specificity:	AA 150-200
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 150 and 200
Isotype:	IgG
Predicted Reactivity:	Rat,Orangutan
Purification:	Affinity Purified

Target Details

Target:	MTHFD1
Alternative Name:	MTHFD1 (MTHFD1 Products)
Background:	Background: Methylenetetrahydrofolate dehydrogenase (MTHFD1) possesses three distinct

Target Details

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

Restrictions: For Research Use only

Handling

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

Expiry Date: 12 months