

Anti-MTHFD1 Antibody (1C524)

Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human (predicted:Mouse)
Molecular Weight:	Theoretical: 110 kDa.
Clone:	1C524
Purification:	Protein G purified

Applications

Verified Activity:	1. Blocking buffer: 5% NFDM/TBST
	Primary Ab dilution: 1:1000
	Primary Ab incubation condition: room temperature 2 h
	Secondary Ab: Goat Anti-Mouse IgG H&L (HRP)
	Lysate: 1: HeLa, 2: 293, 3: A20, 4: Raw264.7
	Protein loading quantity: 20 µg
	Exposure time: 10 s
	Predicted MW: 102 kDa
	Observed MW: 102 kDa
	2. Cell line: HEK-293
Fixative: 100% Ice-cold methanol	
Permeabilization: 0.1% TritonX-100	
Primary Ab dilution: 1:50	
Primary incubation condition: 4°C overnight	
Secondary Ab: Goat Anti-Rabbit IgG	
Nuclear counter stain: DAPI (Blue)	
Comment: Color green is the positive signal for TMAB-09064	
Application:	WB,ICC/IF
Recommended	WB: 1:500-1000; ICC/IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Gene ID: 4522

Research Background

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. [provided by RefSeq, Jul 2008]

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