



Anti-MTHFD1L (aa 801-899) polyclonal antibody (DPAB-DC1258)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is involved in the synthesis of tetrahydrofolate (THF) in the mitochondrion. THF is important in the de novo synthesis of purines and thymidylate and in the regeneration of methionine from homocysteine. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2011]
Immunogen	MTHFD1L (NP_056255, 801 a.a. ~ 899 a.a) partial recombinant protein with GST tag. The sequence is VFKTDTRAELVCELAKRAGAFDAVPCYHWSVGGKGSVDLARAVREAASKRSRFQFLYD VQVPIVDKIRTIAQAVYGAKDIELSPEAQAKIDRYTQQG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MTHFD1L methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like [Homo
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[sapiens \(human\) \]](#)

Official Symbol	MTHFD1L
Synonyms	MTHFD1L; methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like; FTHFSDC1; MTC1THFS; dJ292B18.2; monofunctional C1-tetrahydrofolate synthase, mitochondrial; 10-formyl-THF synthetase; formyltetrahydrofolate synthetase domain containing 1;
Entrez Gene ID	<u>25902</u>
Protein Refseq	<u>NP_001229696</u>
UniProt ID	<u>B7ZM99</u>
Chromosome Location	6q25.1
Pathway	C1-unit interconversion, eukaryotes; One carbon pool by folate;
Function	ATP binding; formate-tetrahydrofolate ligase activity; NOT methenyltetrahydrofolate cyclohydrolase activity; NOT methylenetetrahydrofolate dehydrogenase (NADP+) activity
