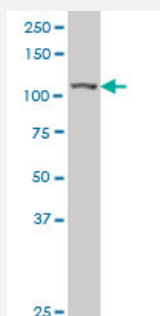


MTHFD1L polyclonal antibody (A01)

Catalog # H00025902-A01

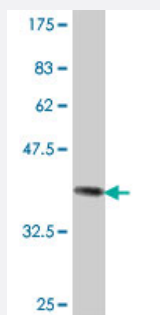
Size 50 uL

Applications



Western Blot (Cell lysate)

MTHFD1L polyclonal antibody (A01), Lot # 051213JC01 Western Blot analysis of MTHFD1L expression in 293 (Cat # L026V1).



Western Blot detection against Immunogen (37 KDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a partial recombinant MTHFD1L.

Immunogen

MTHFD1L (NP_056255, 801 a.a. ~ 899 a.a) partial recombinant protein with GST tag.

Sequence

VFKTDTRAEIDLVC ELAKRAGAFDAVPCYHWSVGGKGSVDLARAVREAASKRSRFQFLYDVQV
PIVDKIRTIAQAVYGAKDIELSPEAQAKIDRYTQQG

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (96); Rat (96)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MTHFD1L polyclonal antibody (A01), Lot # 051213JC01 Western Blot analysis of MTHFD1L expression in 293 (Cat # L026V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — MTHFD1L

Entrez GeneID

[25902](#)

GeneBank Accession#

[NM_015440](#)

Protein Accession#

[NP_056255](#)

Gene Name

MTHFD1L

Gene Alias

DKFZp586G1517, FLJ21145, FTHFSDC1, MTC1THFS, dJ292B18.2

Gene Description

methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like

Omim ID

[611427](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

One-carbon substituted forms of tetrahydrofolate (THF) are involved in the de novo synthesis of purines and thymidylate and support cellular methylation reactions through the regeneration of methionine from homocysteine. MTHFD1L is an enzyme involved in THF synthesis in mitochondria (Christensen et al., 2005 [PubMed 15611115]).[supplied by OMIM]

Other Designations

OTTHUMP00000017418|formyltetrahydrofolate synthetase domain containing 1|mitochondrial C1-tetrahydrofolate synthase|mitochondrial C1-tetrahydrofolate synthetase

Pathway

- [Glyoxylate and dicarboxylate metabolism](#)
- [Metabolic pathways](#)
- [One carbon pool by folate](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Myocardial Infarction](#)
- [Neural Tube Defects](#)
- [Tooth Abnormalities](#)