

**FTHFSDC1 / MTHFD1L Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS15860**

**Specification**

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**FTHFSDC1 / MTHFD1L Antibody (Internal) - Product Information**

Application	WB
Primary Accession	<a href="#">Q6UB35</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Hamster, Monkey, Pig, Horse, Xenopus, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	106kDa KDa

**FTHFSDC1 / MTHFD1L Antibody (Internal) - Additional Information**

**Gene ID** 25902

**Other Names**

Monofunctional C1-tetrahydrofolate synthase, mitochondrial, 6.3.4.3, Formyltetrahydrofolate synthetase, MTHFD1L, FTHFSDC1

**Target/Specificity**

Human MTHFD1L.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

FTHFSDC1 / MTHFD1L Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**FTHFSDC1 / MTHFD1L Antibody (Internal) - Protein Information**

**Name** MTHFD1L ([HGNC:21055](#))

**Synonyms** FTHFSDC1

**Function**

May provide the missing metabolic reaction required to link the mitochondria and the cytoplasm in the mammalian model of one-carbon folate metabolism complementing thus the enzymatic activities of MTHFD2.

**Cellular Location**

Mitochondrion.

**Tissue Location**

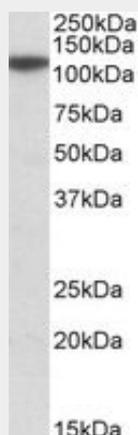
Detected in most tissues, highest expression found in placenta, thymus and brain. Low expression is found in liver and skeletal muscle. Up-regulated in colon adenocarcinoma

### **FTHFSDC1 / MTHFD1L Antibody (Internal) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **FTHFSDC1 / MTHFD1L Antibody (Internal) - Images**



MTHFD1L antibody (0.1 ug/ml) staining of Human Cerebellum lysate (35 ug protein/ml in RIPA buffer).

### **FTHFSDC1 / MTHFD1L Antibody (Internal) - Background**

May provide the missing metabolic reaction required to link the mitochondria and the cytoplasm in the mammalian model of one-carbon folate metabolism in embryonic and transformed cells complementing thus the enzymatic activities of MTHFD2.

### **FTHFSDC1 / MTHFD1L Antibody (Internal) - References**

- Prasannan P., et al. *J. Biol. Chem.* 278:43178-43187(2003).  
Sugiura T., et al. *Biochem. Biophys. Res. Commun.* 315:204-211(2004).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Mungall A.J., et al. *Nature* 425:805-811(2003).  
Walkup A.S., et al. *Arch. Biochem. Biophys.* 442:196-205(2005).