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# MTHFD1L (aa535-538) Antibody (internal region)

**Peptide-affinity purified goat antibody**
**Catalog # AF3538a**

## Specification

### MTHFD1L (aa535-538) Antibody (internal region) - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q6UB35 |
| Other Accession | NP_056255.2, 25902, 270685 (mouse), 361472 (rat) |
| Reactivity | **Human, Mouse, Rat** |
| Predicted | **Cow** |
| Host | **Goat** |
| Clonality | **Polyclonal** |
| Concentration | **0.5 mg/ml** |
| Isotype | **IgG** |
| Calculated MW | **105790** |

### MTHFD1L (aa535-538) Antibody (internal region) - Additional Information

**Gene ID** 25902

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

**Format**
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
MTHFD1L (aa535-538) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

### MTHFD1L (aa535-538) Antibody (internal region) - 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

## MTHFD1L (aa535-538) Antibody (internal region) - Protocols

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

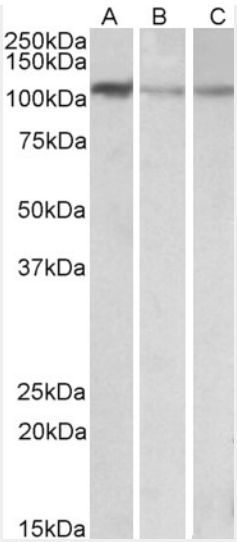
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## MTHFD1L (aa535-538) Antibody (internal region) - Images




AF3538a (0.1 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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AF3538a (0.1 µg/ml) staining of NIH3T3 (A), Mouse Brain (B) and Rat Brain (C) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**MTHFD1L (aa535-538) Antibody (internal region) - References**

A common variant in MTHFD1L is associated with neural tube defects and mRNA splicing efficiency. Parle-McDermott A, Pangilinan F, O'Brien KK, Mills JL, Magee AM, Troendle J, Sutton M, Scott JM, Kirke PN, Molloy AM, Brody LC, Human mutation 2009 Dec 30 (12): 1650-6. PMID: 19777576