

## ARG42216 anti-MTHFD1L antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes MTHFD1L   |
| Tested Reactivity   | Hu, Ms, Rat   |
| Tested Application  | IHC-P, WB   |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | MTHFD1L   |
| Species             | Human   |
| Immunogen           | Recombinant fusion protein corresponding to aa. 759-978 of Human MTHFD1L (NP_056255.2).   |
| Conjugation         | Un-conjugated   |
| Alternate Names     | MTC1THFS; DJ292B18.2; Formyltetrahydrofolate synthetase; EC 6.3.4.3; Monofunctional C1-tetrahydrofolate synthase, mitochondrial; FTHFSDC1 |

### Application Instructions

| Application table | Application  | Dilution       |
|-------------------|--|----------------|
|                   | IHC-P  | 1:50 - 1:200   |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | A549   |                |
| Observed Size     | ~ 117 kDa  |                |

### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified.  |
| Buffer              | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.  |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

## Bioinformation

---

|                       |   |
|-----------------------|---|
| Gene Symbol           | MTHFD1L   |
| Gene Full Name        | methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like  |
| Background            | 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] |
| Function              | 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 an transformed cells complementing thus the enzymatic activities of MTHFD2. [UniProt]  |
| Calculated Mw         | 106 kDa   |
| Cellular Localization | Mitochondrion. [UniProt]  |

## Images

---

