Anti-Human MTHFD2 Antibody [K70015_3B1]

Catalog No. K70015M03B01C

**Overview**

- **Product name**: Anti-Human MTHFD2 Antibody [K70015_3B1]
- **Antibody specificity**: Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase
- **Species reactivity**: Human
- **Clonality**: Monoclonal
- **Clone number**: K70015_3B1
- **Host / isotype**: Mouse / IgG1
- **Immunogen**: Recombinant human MTHFD2
- **Cross reactivity**: Not tested
- **Kinetic characterization by BLI (biolayer interferometry)**: Not tested
- **Purification**: Protein A purified from cell culture supernatants
- **Form**: Liquid
- **Concentration**: 1 mg/mL in phosphate buffered saline containing 0.09% preservative
- **Conjugation**: Unconjugated

**Shipping, storage and shelf life**

- 3 months when stored at 2 to 8 °C
- 1 year when aliquoted and stored at -20 °C
- 3 years when aliquoted and stored at -80 °C

**Applications**

<table>
<thead>
<tr>
<th>Method</th>
<th>Recommended concentration</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
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<tr>
<td>Immunoprecipitation (IP)</td>
<td>10 µg/mL</td>
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*Note:*

- The applications above have already been verified. The antibody may be suitable for additional applications.
- Optimal antibody concentrations for each application should be determined by the user.

**Additional information**

- **Target antigen**: Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase
- **Gene name**: MTHFD2
- **UniProt Accession**: P13995
- **Organism**: Homo sapiens (Human)
- **Paired antibody information**: K70015_3B1 may pair with K70015_7B5 and K70015_3A2 for sandwich based immune assays.
**Immunoprecipitation**

Immunoprecipitation was performed by incubation of 2.5 µg of K70015_3B1 with A-431 lysate containing 200 µg of total protein. After absorption with Protein G beads, the mixture was run on 6-18% SDS-PAGE and blotted onto nitrocellulose membrane. Anti-human MTHFD2 (K70015_5A1) at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. The isotype control antibody was KT82.

Lane 1: A-431 lysate  
Lane 2: Human MTHFD2 immunoprecipitated from A-431 lysate by K70015_3B1  
Lane 3: The same as Lane 2 but KT82 was used as IgG isotype control antibody  
Result: K70015_3B1 can immunoprecipitate human MTHFD2.