

RecomAb™

# BHMT recombinant monoclonal antibody, clone R04-3J7

Catalog # RAB05631      Size 100 uL

## Specification

|                             |                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit recombinant monoclonal antibody raised against human BHMT.                                                                                                                                                    |
| <b>Antibody Species</b>     | Rabbit                                                                                                                                                                                                               |
| <b>Immunogen</b>            | Original antibody is raised against corresponding to human BHMT.                                                                                                                                                     |
| <b>Theoretical MW (kDa)</b> | Calculated MW: 45 kD                                                                                                                                                                                                 |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                                |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                               |
| <b>Isotype</b>              | IgG                                                                                                                                                                                                                  |
| <b>Recommend Usage</b>      | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1/50-1/100)<br>Immunoprecipitation (1/20)<br>Western Blot (1/500-1/1000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)                                                                                                                                                     |
| <b>Storage Instruction</b>  | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                               |
| <b>Note</b>                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                               |

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunoprecipitation

## Gene Info — BHMT

|                    |                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">635</a>                                                                                                                                                                                                                                                         |
| Gene Name          | BHMT                                                                                                                                                                                                                                                                        |
| Gene Alias         | -                                                                                                                                                                                                                                                                           |
| Gene Description   | betaine-homocysteine methyltransferase                                                                                                                                                                                                                                      |
| Omim ID            | <a href="#">602888</a>                                                                                                                                                                                                                                                      |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                   |
| Gene Summary       | This gene encodes a cytosolic enzyme that catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. Defects in this gene could lead to hyperhomocyst(e)inemia, but such a defect has not yet been observed. [provided by RefSeq |
| Other Designations | betaine homocysteine methyltransferase                                                                                                                                                                                                                                      |

## Pathway

- [Cysteine and methionine metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)

## Disease

- [Abruptio Placentae](#)
- [Adenocarcinoma](#)
- [Aortic Aneurysm](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Choline Deficiency](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Hyperhomocysteinemia](#)
- [Hypoplastic Left Heart Syndrome](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Diseases](#)
- [Mouth Abnormalities](#)
- [Neural Tube Defects](#)
- [Obesity](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)

- [Spinal Dysraphism](#)
- [Stroke](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)