

BHMT Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10211b**Specification**

BHMT Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O93088](#)
Other Accession [NP_001704.2](#)

BHMT Antibody (C-term) Blocking peptide - Additional Information

Gene ID 635

Other Names

Betaine--homocysteine S-methyltransferase 1, BHMT

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BHMT Antibody (C-term) Blocking peptide - Protein Information

Name BHMT {ECO:0000303|PubMed:8798461}

Function

Involved in the regulation of homocysteine metabolism. Converts betaine and homocysteine to dimethylglycine and methionine, respectively. This reaction is also required for the irreversible oxidation of choline.

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:O09171}. Nucleus {ECO:0000250|UniProtKB:O09171} Note=Predominantly localized in the cytoplasm with a small fraction detected in the nucleus. Translocates into the nucleus upon oxidative stress. {ECO:0000250|UniProtKB:O09171}

Tissue Location

Found exclusively in liver and kidney.

BHMT Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

BHMT Antibody (C-term) Blocking peptide - Images

BHMT Antibody (C-term) Blocking peptide - Background

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.

BHMT Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Giusti, B., et al. Thromb. Haemost. 104(2):231-242(2010) Hobbs, C.A., et al. Obstet Gynecol 116 (2 PT 1), 316-322 (2010) :Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :