

## BHMT Antibody (C-term) Blocking peptide

Synthetic peptide Catalog # BP10211b

## **Specification**

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

Primary Accession Q93088
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.

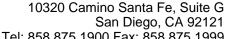
#### **Cellular Location**

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





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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 andmethionine, respectively. Defects in this gene could lead tohyperhomocyst(e)inemia, but such a defect has not yet beenobserved.

# 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):