

**BHMT2 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12821c****Specification**

---

**BHMT2 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q9H2M3](#)**BHMT2 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 23743**Other Names**

S-methylmethionine--homocysteine S-methyltransferase BHMT2, SMM-hcy methyltransferase, Betaine--homocysteine S-methyltransferase 2, BHMT2

**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.

**BHMT2 Antibody (Center) Blocking peptide - Protein Information****Name** BHMT2**Function**

Involved in the regulation of homocysteine metabolism. Converts homocysteine to methionine using S-methylmethionine (SMM) as a methyl donor.

**Tissue Location**

Expressed in liver and kidney and at reduced levels in the brain, heart, and skeletal muscle

**BHMT2 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**BHMT2 Antibody (Center) Blocking peptide - Images****BHMT2 Antibody (Center) Blocking peptide - Background**

Homocysteine is a sulfur-containing amino acid that plays a crucial role in methylation reactions. Transfer of the methyl group from betaine to homocysteine creates methionine, which donates the methyl group to methylate DNA, proteins, lipids, and other intracellular metabolites. The protein encoded by this gene is one of two methyl transferases that can catalyze the transfer of the methyl group from betaine to homocysteine. Anomalies in homocysteine metabolism have been implicated in disorders ranging from vascular disease to neural tube birth defects such as spina bifida. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

#### **BHMT2 Antibody (Center) 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) Mostowska, A., et al. Eur. J. Oral Sci. 118(4):325-332(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :McGeachie, M., et al. Circulation 120(24):2448-2454(2009)