

## Product datasheet for **TA360394**

### **BHMT2 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human BHMT2
Specificity:	<b>Expected reactivity:</b> Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	40 kDa
Gene Name:	betaine--homocysteine S-methyltransferase 2
Database Link:	<a href="#">NP_001171476.1</a> <a href="#">Entrez Gene 23743 Human</a> <a href="#">Q9H2M3</a>



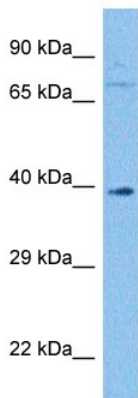
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**Background:**

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.

**Synonyms:**

FLJ20001

**Product images:**

Host: Rabbit  
Target Name: BHMT2  
Sample Tissue: 786-0 Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit  
Target Name: BHMT2  
Sample Tissue: Human 786-0 Whole Cell  
Antibody Dilution: 1.0ug/ml