

Product datasheet for **TA346078**

BHMT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-BHMT antibody: synthetic peptide directed towards the C terminal of human BHMT. Synthetic peptide located within the following region: KHGSWGSGLDMHTKPWVRARARKEYWENLRIASGRPYNPMSKPDGWGVT
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>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	betaine--homocysteine S-methyltransferase
Database Link:	NP_001704 Entrez Gene 81508 Rat Entrez Gene 635 Human Q93088
Background:	BHMT is a cytosolic enzyme that catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. Defects in its gene could lead to hyperhomocyst(e)inemia, but such a defect has not yet been observed. Betaine-homocysteine methyltransferase is a cytosolic enzyme that catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. Defects in BHMT could lead to hyperhomocyst(e)inemia, but such a defect has not yet been observed.



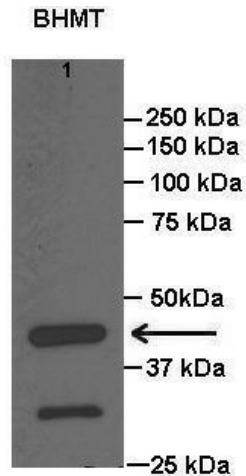
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Synonyms: BHMT1; HEL-S-61p

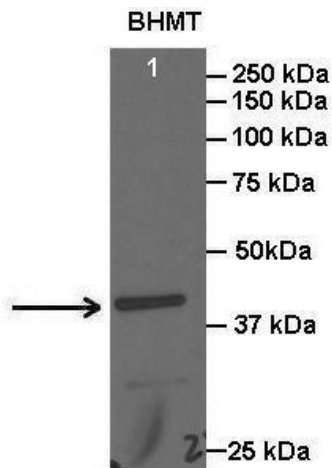
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Horse: 100%; Human: 100%; Rat: 93%; Mouse: 93%; Bovine: 93%; Rabbit: 92%; Guinea pig: 85%

Protein Pathways: Cysteine and methionine metabolism, Glycine, serine and threonine metabolism, Metabolic pathways

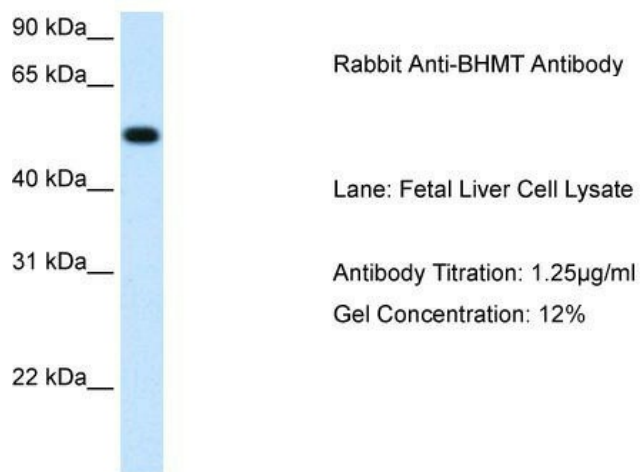
Product images:



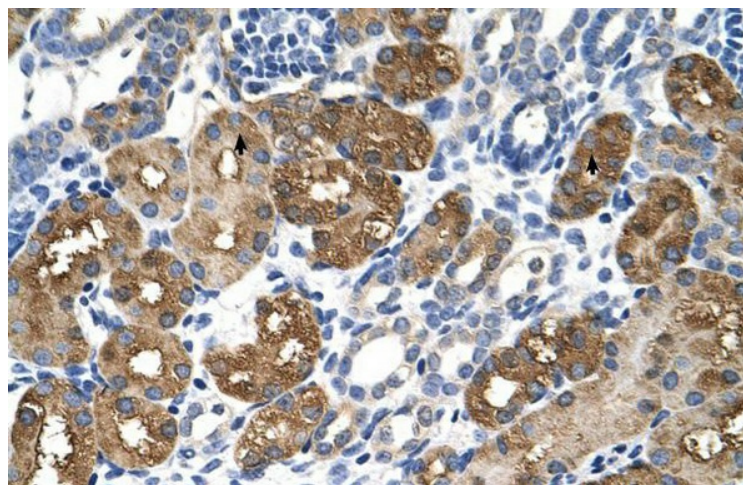
Lanes: Lane 1: 20 ug rat liver lysate; Primary Antibody Dilution: 1: 1000; Secondary Antibody: Anti-rabbit HRP; Secondary Antibody Dilution: 1: 15000; Gene Name: BHMT; Submitted by: Anonymous;



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WB Suggested Anti-BHMT Antibody; Titration: 1.25 ug/ml; Positive Control: Fetal liver cell lysate



Rabbit Anti-BHMT Antibody; Paraffin Embedded Tissue: Epithelial cells of renal tubule; Cellular Data: Epithelial cells of renal tubule; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X