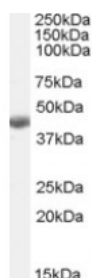


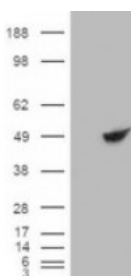


## BHMT Antibody

CATALOG NUMBER: 46-634



Western blot analysis of BHMT in rat liver lysate (35 ug protein in RIPA buffer) using BHMT Antibody at 0.03 ug/mL.



HEK293 overexpressing BHMT and probed with BHMT antibody (mock transfection in first lane).

### Specifications

<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat
<b>TESTED APPLICATIONS:</b>	ELISA, IHC, WB
<b>APPLICATIONS:</b>	ELISA: Antibody detection limit dilution 1:16000. Western Blot: Approximately 45 kDa band observed in human liver, mouse liver and rat liver lysates (calculated MW of 44.9 kDa according to human NP_001704.1, 45.0 kDa according to mouse NP_057877.1 and rat NP_110477.1). In transfected HEK293 transiently expressing BHMT a band of approximately 49 kDa is observed. This band is not observed in the non-transfected HEK293. Recommended concentration: 0.03-0.1 ug/mL. Immunohistochemistry: In paraffin embedded human kidney shows strong cytoplasm staining in PCT cells. Recommended concentration, 2-4 ug/mL.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1464 - Rat Liver Tissue Lysate
<b>IMMUNOGEN:</b>	BHMT antibody was raised against a 12 amino acid synthetic peptide near the C-Terminus of BHMT.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	BHMT antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	BHMT antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	betaine-homocysteine methyltransferase, BHMT, BHMT1, HEL-S-61p
<b>ACCESSION NO.:</b>	NP_001704.1
<b>PROTEIN GI NO.:</b>	4502407
<b>OFFICIAL SYMBOL:</b>	BHMT

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**GENE ID:** 635

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**Background**

**REFERENCES:** 1) Collinsova M, Strakova J, Jiracek J, Garrow TA. Inhibition of betaine-homocysteine S-methyltransferase causes hyperhomocysteinemia in mice. J Nutr. 2006 Jun;136(6):1493-7.

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**FOR RESEARCH USE ONLY**

December 13, 2016