

Datasheet for ABIN334358
anti-BHMT antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	100 µg
Target:	BHMT
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This BHMT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	BHMT
Immunogen:	C-EQQLKELFEKQK
Sequence:	EQQLKELFEK QK
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	BHMT
Alternative Name:	BHMT (BHMT Products)
Background:	BHMT, betaine-homocysteine methyltransferase
Gene ID:	635, 12116, 81508
NCBI Accession:	NP_001704
Pathways:	Methionine Biosynthetic Process

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Liver and Kidney. Recommended concentration: 5 µg/mL. Western Blot: Approx 45 kDa band observed in 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). This product has been successfully used in WB on Human (PMID: 27320863). Peptide ELISA: antibody detection limit dilution 1:16000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

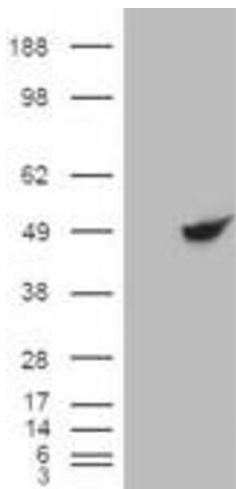
Product cited in: Kim, Kwon, Kim: "Alterations in the metabolomics of sulfur-containing substances in rat kidney by betaine." in: **Amino acids**, Vol. 46, Issue 4, pp. 963-8, (2014) ([PubMed](#)).

Yun, Ryu, Lee, Noh, Lee, Lee, Kang, Park, Kim, Kim: "Hepatic metabolism of sulfur amino acids in db/db mice." in: **Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association**, Vol. 53, pp. 180-6, (2013) ([PubMed](#)).

Yun, Ryu, Oh, Kim, Lee, Lee, Lee, Kim, Kim: "Plasma homocysteine level and hepatic sulfur amino acid metabolism in mice fed a high-fat diet." in: **European journal of nutrition**, Vol. 52, Issue 1, pp. 127-34, (2013) ([PubMed](#)).

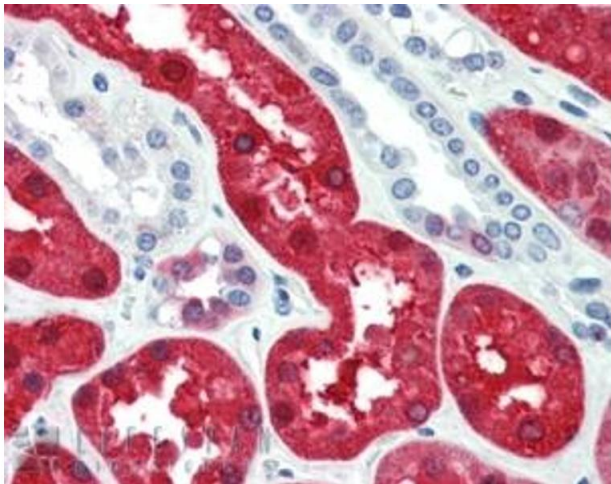
Ryu, Kwak, Lee, Kang, Oh, Lee, Kim, Ma, Kim: "Sulfur amino acid metabolism in doxorubicin-resistant breast cancer cells." in: **Toxicology and applied pharmacology**, Vol. 255, Issue 1, pp. 94-102, (2011) ([PubMed](#)).

Images



Western Blotting

Image 1. HEK293 overexpressing BHMT (ABIN5422884) and probed with ABIN334358 (mock transfection in first lane).



Immunohistochemistry

Image 2. ABIN334358 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blotting

Image 3. ABIN334358 (0.03µg/ml) staining of Rat Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.