

Datasheet for ABIN2773785
anti-BHMT antibody (N-Term)

6 Images

3 Publications

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Overview

Quantity:	100 µL
Target:	BHMT
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Cow, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BHMT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human BHMT
Sequence:	AVEHPEAVRQ LHREFLRAGS NVMQTTFYFA SEDKLENRGN YVLEKISGQE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against BHMT. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	BHMT
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Target Details

Alternative Name:	BHMT (BHMT Products)
Background:	<p>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.</p> <p>Alias Symbols: BHMT1</p> <p>Protein Interaction Partner: BHMT, BBS4, BBS2, BBS1, ALG9, LAMTOR3,</p> <p>Protein Size: 406</p>
Molecular Weight:	45 kDa
Gene ID:	635
NCBI Accession:	NM_001713 , NP_001704
UniProt:	Q93088
Pathways:	Methionine Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 406 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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:	Avoid repeated freeze-thaw cycles.

Handling

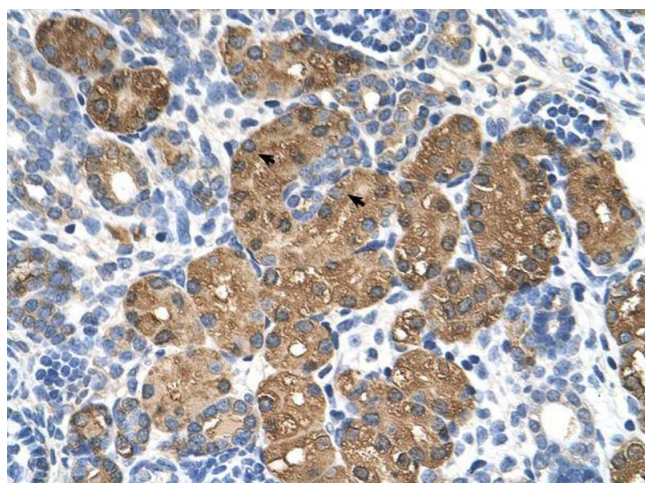
Storage: -20 °C

Storage Comment: 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.

Publications

Product cited in: Ten Kate, Platteel, Mulder, Terpstra, Nicolaes, Reitsma, van der Steege, van der Meer: "PROS1 analysis in 87 pedigrees with hereditary protein S deficiency demonstrates striking genotype-phenotype associations." in: **Human mutation**, Vol. 29, Issue 7, pp. 939-47, (2008) ([PubMed](#)).

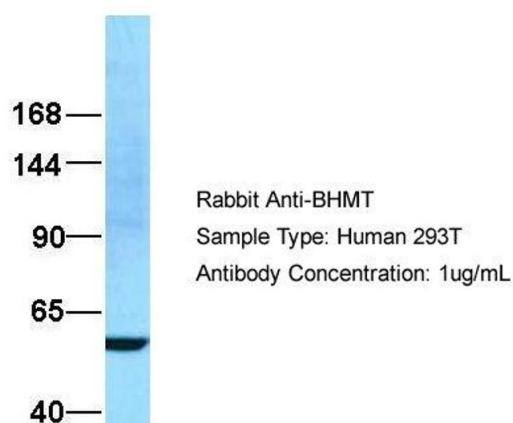
Images



Immunohistochemistry

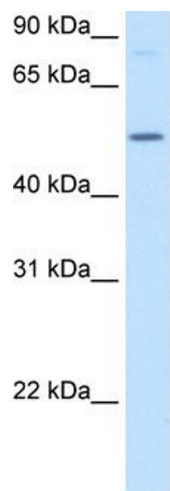
Image 1.

BHMT



Western Blotting

Image 2. Host: Rabbit Target Name: BHMT Sample Type: 293T Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. WB Suggested Anti-BHMT Antibody Titration:
2.5ug/ml Positive Control: Human Fetal Liver cell lysate

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2773785.