

BHMT rabbit monoclonal antibody

Catalog # H00000635-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human BHMT peptide using ARM Technology.
Immunogen	A synthetic peptide of human BHMT is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human BHMT peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — BHMT

Entrez GeneID	635
GeneBank Accession#	BHMT
Gene Name	BHMT
Gene Alias	-
Gene Description	betaine-homocysteine methyltransferase
Omim ID	602888
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytosolic enzyme that catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. Defects in this gene could lead to hyperhomocyst (e)inemia, but such a defect has not yet been observed. [provided by RefSeq]
Other Designations	betaine homocysteine methyltransferase

Pathway

- [Cysteine and methionine metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)

Disease

- [Abruptio Placentae](#)
- [Adenocarcinoma](#)
- [Aortic Aneurysm](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Choline Deficiency](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Hyperhomocysteinemia](#)
- [Hypoplastic Left Heart Syndrome](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Diseases](#)
- [Mouth Abnormalities](#)
- [Neural Tube Defects](#)
- [Obesity](#)
- [Pregnancy Complications](#)

- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Spinal Dysraphism](#)
- [Stroke](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)