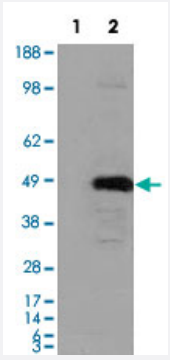
BHMT monoclonal antibody, clone 8C11H5

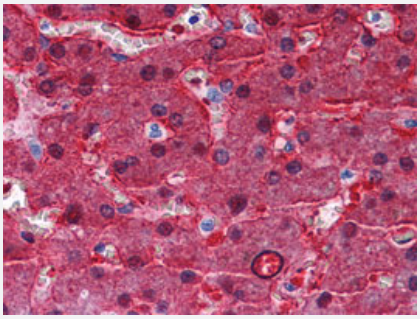
Catalog # MAB10502 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis using BHMT monoclonal antibody, clone 8C11H5 (Cat # MAB10502) against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY BHMT cDNA (2).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human liver tissues using BHMT monoclonal antibody, clone 8C11H5 (Cat # MAB10502).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant BHMT.
Immunogen	Recombinant protein corresponding to human BHMT.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — BHMT

Entrez GeneID	635
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