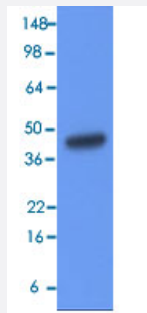


BHMT monoclonal antibody, clone 3D6

Catalog # MAB1095

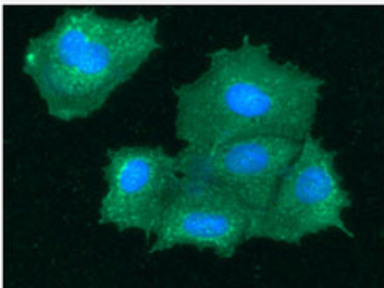
Size 100 uL

Applications



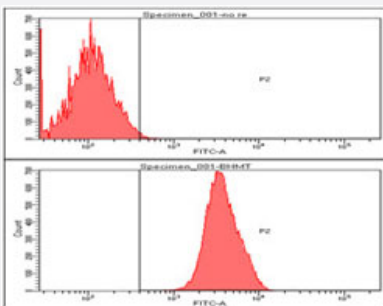
Western Blot (Tissue lysate)

Western blot analysis of mouse liver tissue lysate.



Immunofluorescence

Immunofluorescence analysis of Hep3B cells line, stained with DAPI (Blue) for nucleus staining and BHMT monoclonal antibody, clone 3D6 (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



Flow Cytometry

Flow cytometric analysis of Hep3B cell line, staining at 2-5 ug for 1x10⁶ cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.

Specification

Product Description

Mouse monoclonal antibody raised against full length recombinant BHMT.

Immunogen

Recombinant protein corresponding to full length human BHMT.

Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Isotype	IgG2a, kappa
Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of mouse liver tissue lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of Hep3B cells line, stained with DAPI (Blue) for nucleus staining and BHMT monoclonal antibody, clone 3D6 (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of Hep3B cell line, staining at 2-5 ug for 1×10^6 cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.

Gene Info — BHMT

Entrez GeneID	635
Protein Accession#	AAH12616
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](#)