

Mouse BHMT Monoclonal Antibody | anti-BHMT antibody

BHMT antibody

CATALOG # AAA106402	HOST Mouse	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay
-------------------------------	----------------------	---

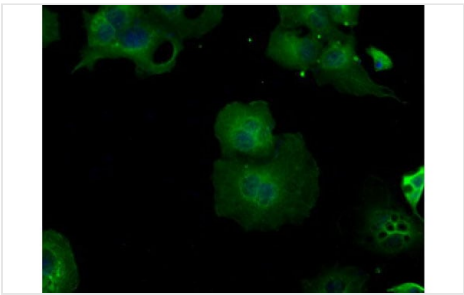
PRODUCT SYNONYMS

BHMT; Monoclonal Antibody; BHMT antibody; Monoclonal BHMT; Anti-BHMT; BHMT (betaine-homocysteine methyltransferase); EC 2.1.1.5; betaine--homocysteine S-methyltransferase 1; betaine-homocysteine methyltransferase betaine homocysteine methyltransferase; betaine homocysteine S methyltransferase; betaine homocysteine S methyltransferase 1; BHMT1; anti-BHMT antibody

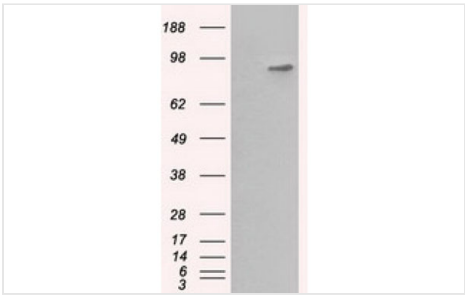
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	10B3
Purity/Purification	BHMT antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	406
Applicable Applications for anti-BHMT antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Betaine homocysteine methyltransferase (BHMT), is a cytosolic enzyme, its partial fragments were discovered as autolysosomal membrane proteins from rat liver in the presence of leupeptin. BHMT was also found in human liver. BHMT transfers a methyl group from betaine to homocysteine to form DMG (dimethylglycine) and Met. In vivo, liver BHMT expression is influenced by dietary changes in sulphur amino acids, choline and betaine.
Cross-Reactivity	Human
Immunogen	BHMT antibody was raised in mouse using a full length recombinant protein of human BHMT (NP_001704) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant BHMT protein using BHMT antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant BHMT protein (Right) or empty vector (Left) detected with BHMT antibody

ADDITIONAL INFORMATION

Related Product Information for anti-BHMT antibody	Mouse monoclonal BHMT antibody
Product Categories/Family for anti-BHMT antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	157266337
NCBI GeneID	635
NCBI Accession #	NP_001704
NCBI GenBank Nucleotide #	NM_001713.2
UniProt Accession #	Q93088; Q9UNI9
Molecular Weight	44,998 Da
NCBI Official Full Name	betaine--homocysteine S-methyltransferase 1
NCBI Official Synonym Full Names	betaine--homocysteine S-methyltransferase
NCBI Official Symbol	BHMT
NCBI Official Synonym Symbols	BHMT1; HEL-S-61p
NCBI Protein Information	betaine--homocysteine S-methyltransferase 1
UniProt Protein Name	Betaine--homocysteine S-methyltransferase 1
UniProt Gene Name	BHMT
UniProt Entry Name	BHMT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.