OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for CF500960

BHMT Mouse Monoclonal Antibody [Clone ID: OTI10B3]

Product data:

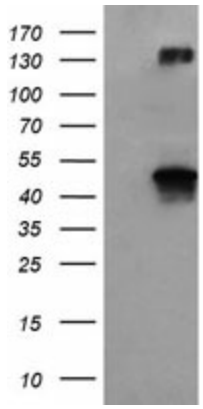
Product Type:	Primary Antibodies
Clone Name:	OTI10B3
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human BHMT (NP_001704) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44.8 kDa
Gene Name:	betaine--homocysteine S-methyltransferase
Database Link:	NP_001704 Entrez Gene 12116 MouseEntrez Gene 81508 RatEntrez Gene 635 Human Q93088
Background:	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.

View online »

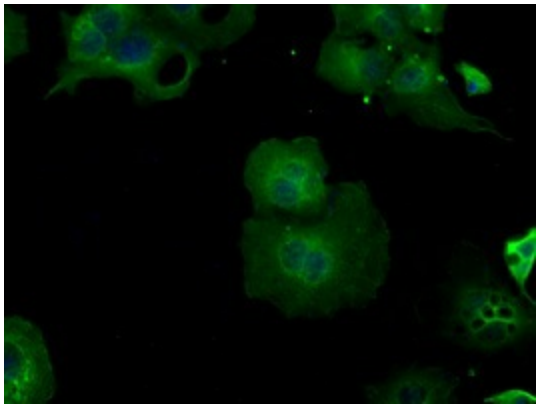
Synonyms: BHMT1; HEL-S-61p

Protein Pathways: Cysteine and methionine metabolism, Glycine, serine and threonine metabolism, Metabolic pathways

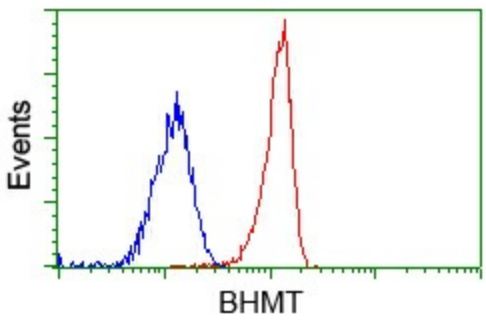
Product images:



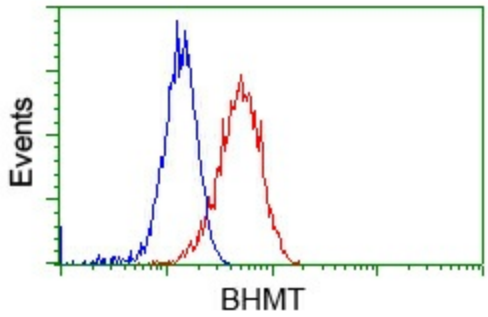
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BHMT ([RC203148], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BHMT. Positive lysates [LY400644] (100ug) and [LC400644] (20ug) can be purchased separately from OriGene.



Anti-BHMT mouse monoclonal antibody ([TA500960]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BHMT ([RC203148]).



Flow cytometric Analysis of Jurkat cells, using anti-BHMT antibody ([TA500960]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Hela cells, using anti-BHMT antibody ([TA500960]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).