

**ARG56932**  
anti-BHMT antibody [3D6]Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [3D6] recognizes BHMT
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	3D6
Isotype	IgG2a, kappa
Target Name	BHMT
Species	Human
Immunogen	Recombinant fragment around aa. 1-406 of Human BHMT.
Conjugation	Un-conjugated
Alternate Names	HEL-S-61p; Betaine--homocysteine S-methyltransferase 1; EC 2.1.1.5; BHMT1

### Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

### Database links

[GeneID: 12116 Mouse](#)

[GeneID: 635 Human](#)

[Swiss-port # O35490 Mouse](#)

[Swiss-port # Q93088 Human](#)

### Gene Symbol

BHMT

### Gene Full Name

betaine--homocysteine S-methyltransferase

### 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. [provided by RefSeq, Jul 2008]

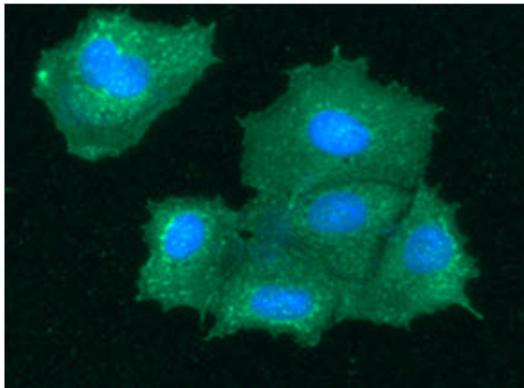
### Function

Involved in the regulation of homocysteine metabolism. Converts betaine and homocysteine to dimethylglycine and methionine, respectively. This reaction is also required for the irreversible oxidation of choline. [UniProt]

### Calculated Mw

45 kDa

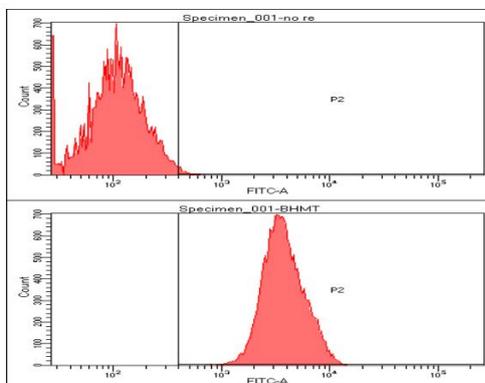
## Images



ARG56932 anti-BHMT antibody [3D6] ICC/IF image

Immunofluorescence: Hep3B cell line stained with ARG56932 anti-BHMT antibody [3D6] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG56932 anti-BHMT antibody [3D6] FACS image

Flow Cytometry: Hep3B cell line stained with ARG56932 anti-BHMT antibody [3D6] at 2-5  $\mu$ g for  $1 \times 10^6$  cells. Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate.

ARG56932 anti-BHMT antibody [3D6] WB image

Western blot: 20 µg of Mouse liver stained with ARG56932 anti-BHMT antibody [3D6] at 1:1000.

