

## 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

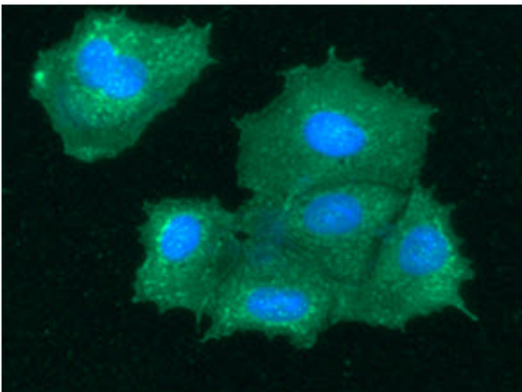
Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### 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.
<b>Bioinformation</b>	
Database links	<a href="#">GeneID: 12116 Mouse</a> <a href="#">GeneID: 635 Human</a> <a href="#">Swiss-port # O35490 Mouse</a> <a href="#">Swiss-port # Q93088 Human</a>
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

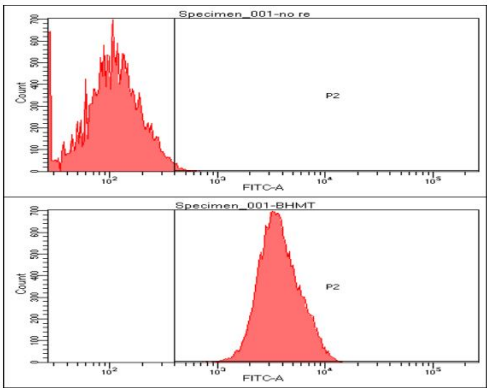
Images



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

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

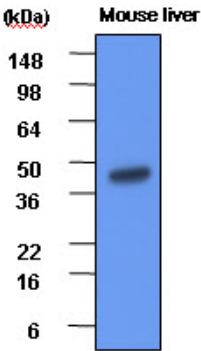
DAPI (Blue) for nucleus staining.



ARG56932 anti-BHMT antibody [3D6] FACS image

Flow Cytometry: Hep3B cell line stained with ARG56932 anti-BHMT antibody [3D6] at 2-5 µg for 1x10^6 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.