abcam

ab282156

Anti-BHMT antibody [3D6]

Recombinant

Key facts

Isotype	IgG2a
Host species	Mouse
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 10% Glycerol (glycerin, glycerine), 0.75% Sodium chloride, 0.13% Disodium hydrogenorthophosphate, 0.02% Potassium chloride, 0.02% Potassium phosphate monobasic
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Full Length Protein corresponding to Human Betaine--homocysteine S-methyltransferase 1. Database link Q93088
Clone number	3D6
Purification technique	Affinity purification Protein A
Light chain type	kappa
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	1/100

Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	2-5 µg for 10^6 Cells
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information Betaine--homocysteine S-methyltransferase 1

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.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

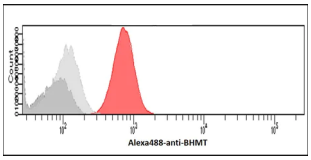
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

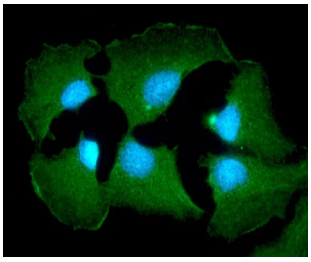
3 product images



Flow Cytometry (Intracellular) - Anti-BHMT antibody [3D6] (ab282156)

BHMT Flow Cytometry (Intracellular) staining using mouse Anti-BHMT antibody

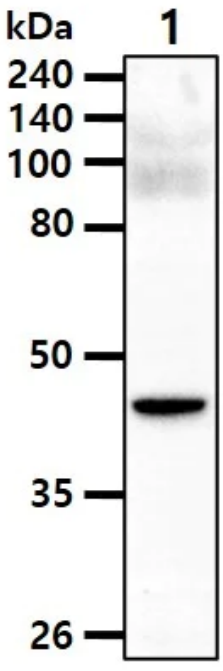
Flow cytometry analysis of Hep3B cells labelling BHMT with ab282156 at 2-5ug for $1x10^6$ cells (red). A Goat anti-mouse IgG (Alexa Fluor® 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



Immunocytochemistry/ Immunofluorescence - Anti-BHMT antibody [3D6] (ab282156)

BHMT Immunocytochemistry/ Immunofluorescence staining using mouse Anti-BHMT antibody

Immunocytochemical analysis of Hep3B cells labelling BHMT with ab282156 at 1/100 dilution followed by Alexa Fluor® 488 secondary antibody (green). DAPI was stained the cell nucleus (blue).



Western blot - Anti-BHMT antibody [3D6] (ab282156)

BHMT Western blot staining of Mouse liver tissue lysate using mouse Anti-BHMT antibody

SDS-PAGE gel was transferred to PVDF membrane.
ECL detection system.

All lanes:
Western blot - Anti-BHMT antibody [3D6] (ab282156) at 1/1000 dilution

All lanes:
Mouse liver tissue lysate at 40 µg

Secondary

All lanes:
Goat anti-Mouse secondary antibody HRP-conjugate

Predicted band size: 45 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.