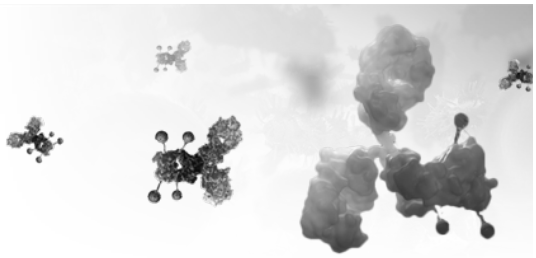

Mouse anti-Human BHMT2 monoclonal antibody, clone 2F9 (CABT-B9854)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	BHMT2 (-, 1 a.a. ~ 111 a.a) partial recombinant protein with GST tag.
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Human
Clone	2F9
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	MAPAGRPGAKKGILERLESGEVVIGDGSFLITLEKRGYVKAGLWTPEAVIEHPDAVRQLH MEFLRAGSNVMQTFTFSASEDNMESKWEDVNAAACDLAREVAGKGDALVA*
Format	Liquid
Size	200 µl
Buffer	In ascites fluid
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Homocysteine is a sulfur-containing amino acid that plays a crucial role in methylation reactions. Transfer of the methyl group from betaine to homocysteine creates methionine, which donates the methyl group to methylate DNA, proteins, lipids, and other intracellular

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	metabolites. The protein encoded by this gene is one of two methyl transferases that can catalyze the transfer of the methyl group from betaine to homocysteine. Anomalies in homocysteine metabolism have been implicated in disorders ranging from vascular disease to neural tube birth defects such as spina bifida. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]
Keywords	BHMT2; betaine--homocysteine S-methyltransferase 2; S-methylmethionine--homocysteine S-methyltransferase BHMT2; SMM-hcy methyltransferase; betaine-homocysteine methyltransferase 2;

GENE INFORMATION

Entrez Gene ID	23743
UniProt ID	Q9H2M3
Pathway	glycine betaine degradation, organism-specific biosystem; methionine salvage II (mammalia), organism-specific biosystem; superpathway of methionine degradation, organism-specific biosystem
Function	betaine-homocysteine S-methyltransferase activity; homocysteine S-methyltransferase activity; metal ion binding; methyltransferase activity; transferase activity; zinc ion binding

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