



# Mouse anti-Human SETMAR monoclonal antibody (CABT-B9540)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	397-671 of 671 of SETMAR Protein.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Purification</b>	Affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IM
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/ml
<b>Size</b>	100 µg
<b>Buffer</b>	PBS
<b>Preservative</b>	0.09% sodium azide
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

## BACKGROUND

<b>Introduction</b>	This gene encodes a fusion protein that contains an N-terminal histone-lysine N-methyltransferase domain and a C-terminal mariner transposase domain. The encoded protein
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binds DNA and functions in DNA repair activities including non-homologous end joining and double strand break repair. The SET domain portion of this protein specifically methylates histone H3 lysines 4 and 36. This gene exists as a fusion gene only in anthropoid primates, other organisms lack mariner transposase domain. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]

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<b>Keywords</b>	SETMAR; SET domain and mariner transposase fusion gene; Mar1; HsMar1; METNASE; histone-lysine N-methyltransferase SETMAR; SET domain and mariner transposase fusion protein; SET domain and mariner transposase fusion gene-containing protein;
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## GENE INFORMATION

Entrez Gene ID [6419](#)

UniProt ID [Q53H47](#)