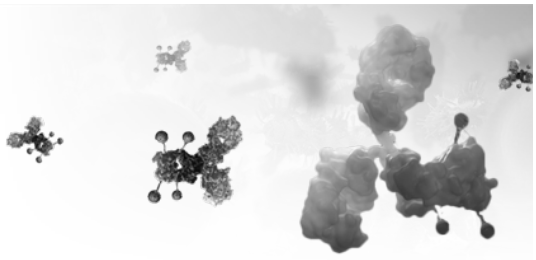

Human SETMAR blocking peptide (CDBP2653)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-SETMAR antibody
Antigen Description	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 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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	SETMAR SET domain and mariner transposase fusion gene [Homo sapiens]
Official Symbol	SETMAR
Synonyms	SETMAR; SET domain and mariner transposase fusion gene; histone-lysine N-

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	methyltransferase SETMAR; metnase; hsMar1; SET domain and mariner transposase fusion gene-containing protein; METNASE;
Entrez Gene ID	6419
mRNA Refseq	NM_001243723
Protein Refseq	NP_001230652
UniProt ID	Q53H47
Chromosome Location	3p26.2
Pathway	Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem;
Function	endonuclease activity; histone-lysine N-methyltransferase activity; hydrolase activity; metal ion binding; methyltransferase activity; protein binding; protein homodimerization activity; structure-specific DNA binding; structure-specific DNA binding; tran

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