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anti-SETMAR antibody (N-Term)





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Overview	
Quantity:	100 μL
Target:	SETMAR
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SETMAR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	A synthesized peptide derived from human SETMAR, corresponding to a region within N-terminal amino acids.
lsotype:	IgG
Specificity:	SETMAR Antibody detects endogenous levels of total SETMAR.
Predicted Reactivity:	Bovine,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	SETMAR

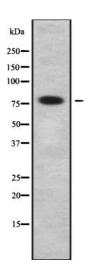
Target Details

Alternative Name:	SETMAR (SETMAR Products)
Background:	Description: Protein derived from the fusion of a methylase with the transposase of an Hsmar
	transposon that plays a role in DNA double-strand break repair, stalled replication fork restart
	and DNA integration. DNA-binding protein, it is indirectly recruited to sites of DNA damage
	through protein-protein interactions. Has also kept a sequence-specific DNA-binding activity
	recognizing the 19-mer core of the 5'-terminal inverted repeats (TIRs) of the Hsmar1 element
	and displays a DNA nicking and end joining activity (PubMed:16332963, PubMed:16672366,
	PubMed:17877369, PubMed:17403897, PubMed:18263876, PubMed:22231448,
	PubMed:24573677, PubMed:20521842). In parallel, has a histone methyltransferase activity
	and methylates 'Lys-4' and 'Lys-36' of histone H3. Specifically mediates dimethylation of H3
	'Lys-36' at sites of DNA double-strand break and may recruit proteins required for efficient DSE
	repair through non-homologous end-joining (PubMed:16332963, PubMed:21187428,
	PubMed:22231448). Also regulates replication fork processing, promoting replication fork
	restart and regulating DNA decatenation through stimulation of the topoisomerase activity of
	TOP2A (PubMed:18790802, PubMed:20457750).
	Gene: SETMAR
Molecular Weight:	78 kDa
Gene ID:	6419
UniProt:	Q53H47
Pathways:	Positive Regulation of Response to DNA Damage Stimulus
Application Details	
Application Notes:	WB 1:1000-3000, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
	glycerol.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot analysis SETMAR using Jurkat whole cell lysates