



SETD8 Polyclonal Antibody

Catalog No	E95256	Lot Number	P00009
Applications	WB IHC	Quantity	100ul, 100ug/ul
Cross-Reactivity	H M R	Calculated MW	43kDa

Immunogen Information

Immunogen	Recombinant protein of human SETD8
Gene ID	387893
Swiss Prot	Q9NQR1
Synonyms	KMT5A;PR-Set7;SET07;SET8;

Product information

Species	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

Protein-lysine N-methyltransferase that monomethylates both histones and non-histone proteins. Specifically monomethylates 'Lys-20' of histone H4 (H4K20me1). H4K20me1 is enriched during mitosis and represents a specific tag for epigenetic transcriptional repression. Mainly functions in euchromatin regions, thereby playing a central role in the silencing of euchromatic genes. Required for cell proliferation, probably by contributing to the maintenance of proper higher-order structure of DNA during mitosis. Involved in chromosome condensation and proper cytokinesis. Nucleosomes are preferred as substrate compared to free histones. Mediates monomethylation of p53/TP53 at 'Lys-382', leading to repress p53/TP53-target genes.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200