

Immunotag™ SETD8 Antibody

Antibody Specification	
Catalog No.	ITA7311
Product Description	Immunotag™ SETD8 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SETD8
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human SETD8
Specificity	SETD8 Antibody detects endogenous levels of total SETD8
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	KMT5A
Accession No.	Q9NQR1

Antibody Specification

Alternate Names	H4 K20 HMTase; H4 K20 specific histone methyltransferase; H4-K20-HMTase SETD8; Histone H4 K20 methyltransferase; Histone lysine N methyltransferase H4 lysine 20 specific; Histone-lysine N-methyltransferase SETD8; Lysine N-methyltransferase 5A; N-lysine methyltransferase SETD8; Pr SET 7; Pr SET7; PR-Set7; PR/SET domain containing protein 07; PR/SET domain containing protein 8; PR/SET domain-containing protein 07; PR/SET07; PrSET7; SET 07; SET 8; SET domain containing (lysine methyltransferase) 8; SET domain containing 8; SET domain containing lysine methyltransferase 8; SET domain containing protein 8; SET domain-containing protein 8; SET07; SET8; SETD 8; setd8; SETD8_HUMAN;
Description	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. Plays a negative role in TGF-beta response regulation and a positive role in cell migration.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	43kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.