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Datasheet for ABIN6943887  
**anti-SETD8 antibody**

### Overview

Quantity:	100 µL
Target:	SETD8
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SETD8 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

### Product Details

Immunogen:	Synthetic peptide within human KMT5A 50-100
Clone:	2A1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

### Target Details

Target:	SETD8
Alternative Name:	KMT5A ( <a href="#">SETD8 Products</a> )
Background:	Synonyms: N-lysine methyltransferase KMT5A, H4-K20-HMTase KMT5A, Histone-lysine N-methyltransferase KMT5A, Lysine N-methyltransferase 5A, Lysine-specific methylase 5A,

## Target Details

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PR/SET domain-containing protein 07, SET domain-containing protein 8, PR-Set7, PR/SET07, KMT5A, PRSET7, SET07, SET8, SETD8

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. Plays a negative role in TGF-beta response regulation and a positive role in cell migration.

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Gene ID: 387893

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UniProt: [Q9NQR1](#)

## Application Details

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Application Notes: WB 1:300-5000  
FCM 1:20-100

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 % Glycerol and 0.05 % Sodium Azide.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: 4 °C, -20 °C

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Storage Comment: Store at 4°C for up to 2 weeks. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months