

# SET07 Antibody

Purified Mouse Monoclonal Antibody (Mab)  
Catalog # AM1191b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9NQR1</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG1
<b>Clone Names</b>	43AT890

## Additional Information

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<b>Other Names</b>	N-lysine methyltransferase SETD8, 211-, H4-K20-HMTase SETD8, Histone-lysine N-methyltransferase SETD8, Lysine N-methyltransferase 5A, PR/SET domain-containing protein 07, PR-Set7, PR/SET07, SET domain-containing protein 8, SETD8, KMT5A, PRSET7, SET07, SET8
<b>Target/Specificity</b>	This SET07 antibody was raised using purified recombinant GST fusion protein encoding N-terminal of human SET07.
<b>Dilution</b>	WB~~1:500~1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	SET07 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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## References

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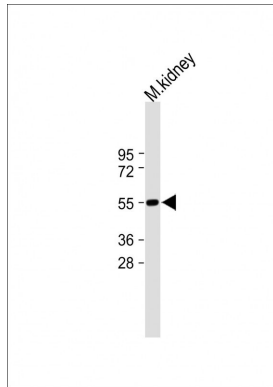
An miR-502-binding site single-nucleotide polymorphism in the 3'-untranslated region of the SET8 gene is associated with early age of breast cancer onset. Song F, et al. Clin Cancer Res, 2009 Oct 1. PMID 19789321.  
Product specificity and mechanism of protein lysine methyltransferases: insights from the histone lysine methyltransferase SET8. Zhang X, et al. Biochemistry, 2008 Jun 24. PMID 18512960.  
Catalytic function of the PR-Set7 histone H4 lysine 20 monomethyltransferase is essential for mitotic entry

and genomic stability. Houston SI, et al. J Biol Chem, 2008 Jul 11. PMID 18480059.

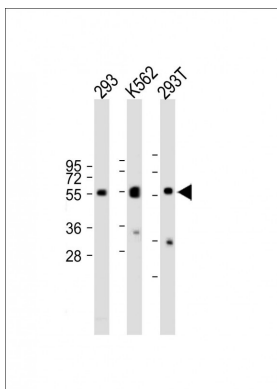
PR-Set7 establishes a repressive trans-tail histone code that regulates differentiation. Sims JK, et al. Mol Cell Biol, 2008 Jul. PMID 18474616.

SET8 plays a role in controlling G1/S transition by blocking lysine acetylation in histone through binding to H4 N-terminal tail. Yin Y, et al. Cell Cycle, 2008 May 15. PMID 18418072.

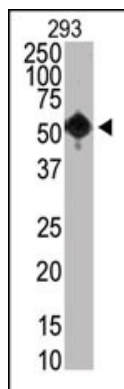
## Images



All lanes : Anti-SET07 Antibody at 1:2000 dilution Lane 1: mouse kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG/A/M(H/L), Peroxidase conjugated at 1/2000 dilution. Observed band size : 55kDa Blocking/Dilution buffer: 5% NFDm/TBST.



All lanes : Anti-SET07 Antibody at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: K562 whole cell lysate Lane 3: 293T whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size : 55 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



The anti-SET07 Mab (Cat. #AM1191b) is used in Western blot to detect SET07 in 293 cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.