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Product datasheet for AM11038PU-N

KMT5A (N-term) Mouse Monoclonal Antibody [Clone ID: 43AT890]

Product data:

Product Type:	Primary Antibodies
Clone Name:	43AT890
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100-1/500.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	This antibody was raised using purified recombinant GST fusion protein encoding N-terminal of human SET07.
Specificity:	This antibody is specific to SET07.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	lysine methyltransferase 5A
Database Link:	Entrez Gene 387893 Human Q9NQR1

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Background: SET07 is a histone methyltransferase that methylates Lys-20 of histone H4. H4 Lys-20 methylation represents a specific tag for epigenetic transcriptional repression. The nuclear SET07 protein, which associates with silent chromatin on euchromatic arms but shows no association with constitutive heterochromatin, prefers nucleosomes as substrate compared to free histones. It appears that SET07 may play a role in maintaining silent chromatin by preventing neighboring acetylation of H4 tail. Although the SET domain contains the active site of enzymatic activity, both sequences upstream and downstream of the SET domain are required for methyltransferase activity.

Synonyms: SET8, PRSET7, PR-Set7, KMT5A

Product images:

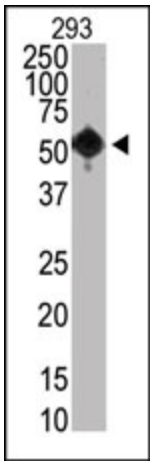

Figure 1. Western blot analysis using anti-SET07 Mab to detect SET07 in 293 cells.