10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SMYD1 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52666

Product Information

Application	WB
Primary Accession	Q8NB12
Reactivity	Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	56617

Additional Information

Gene ID	150572
Other Names	BOP;CD8 beta opposite;CD8b opposite;Histone lysine N methyltransferase SMYD1;KMT3D;SET and MYND domain-containing protein 1;SMYD1;SMYD1_HUMAN;Zinc finger MYND domain containing 18;ZMYND18;ZMYND22;zinc finger, MYND domain containing 18.
Dilution	WB~~1:100~1:500
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	SMYD1
Function	Methylates histone H3 at 'Lys-4' (H3K4me), seems able to perform both mono-, di-, and trimethylation. Acts as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Expression seems mostly restricted to heart and skeletal muscle.

Background

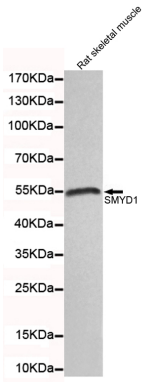
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as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis.

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Hillier L.W.,et al.Nature 434:724-731(2005).
Li D.,et al.Nucleic Acids Res. 37:7059-7071(2009).

Images



Western blot detection of SMYD1 in rat skeletal muscle lysates and using SMYD1 mouse mAb (1:100 diluted). Predicted band size: 56KDa.Observed band size: 56KDa.

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