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SMYD1 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP10952b

Specification

SMYD1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q8NB12

SMYD1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 150572

Other Names
Histone-lysine N-methyltransferase SMYD1, SET and MYND domain-containing protein 1, SMYD1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SMYD1 Antibody (C-term) Blocking peptide - 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.

SMYD1 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SMYD1 Antibody (C-term) Blocking peptide - Images

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SMYD1 Antibody (C-term) Blocking peptide - Background

Acts as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis (By similarity).

SMYD1 Antibody (C-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Yang, J., et al. J. Mol. Biol. 386(4):938-950(2009)Sims, R.J. III, et al. J. Biol. Chem. 277(29):26524-26529(2002)Gottlieb, P.D., et al. Nat. Genet. 31(1):25-32(2002)Srivastava, D., et al. Cold Spring Harb. Symp. Quant. Biol. 67, 121-125 (2002) :