

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

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) :