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SET1B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12413b

Specification

SET1B Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9UPS6
Other Accession	Q66J90, Q8CFT2, Q5F3P8, Q1LY77, NP_055863.1
Reactivity	**Mouse**
Predicted	**Zebrafish, Chicken, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**1806-1839**

SET1B Antibody (C-term) - Additional Information

Other Names
Histone-lysine N-methyltransferase SETD1B, Lysine N-methyltransferase 2G, SET domain-containing protein 1B, hSET1B, SETD1B, KIAA1076, KMT2G, SET1B

Target/Specificity
This SET1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1806-1839 amino acids from the C-terminal region of human SET1B.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
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.

Precautions
SET1B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SET1B Antibody (C-term) - Protein Information

Name SETD1B

Synonyms KIAA1076, KMT2G, SET1B

Function Histone methyltransferase that catalyzes methyl group transfer from S-adenosyl-L-methionine to the epsilon-amino group of 'Lys-4' of histone H3 (H3K4) via a non-processive mechanism (PubMed:25561738, PubMed:17355966). Part of chromatin remodeling machinery, forms H3K4me1, H3K4me2 and H3K4me3 methylation marks at active chromatin sites where transcription and DNA repair take place (PubMed:25561738, PubMed:17355966). Plays an essential role in regulating the transcriptional programming of multipotent hematopoietic progenitor cells and lymphoid lineage specification during hematopoiesis (By similarity).

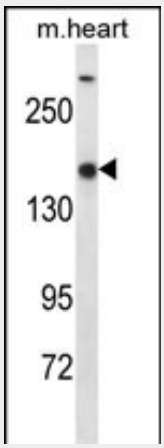
Cellular Location
Nucleus speckle. Chromosome. Note=Localizes to a largely non-overlapping set of euchromatic nuclear speckles with SETD1A, suggesting that SETD1A and SET1B each bind to a unique set of target genes

SET1B Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SET1B Antibody (C-term) - Images



SET1B Antibody (C-term) (Cat. #AP12413b) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the SET1B antibody detected the SET1B protein (arrow).

SET1B Antibody (C-term) - Background

SET1B is a component of a histone methyltransferase complex that produces trimethylated histone H3 at Lys4 (Lee et al., 2007 [PubMed 17355966]).

SET1B Antibody (C-term) - References

Wu, M., et al. Mol. Cell. Biol. 28(24):7337-7344(2008)

Lee, J.H., et al. Mol. Cell. Biol. 28(2):609-618(2008)
Lee, J.H., et al. J. Biol. Chem. 282(18):13419-13428(2007)