

**SET1B Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12413b****Specification**

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**SET1B Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q9UPS6](#)**SET1B Antibody (C-term) Blocking peptide - Additional Information****Other Names**

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

**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.

**SET1B Antibody (C-term) Blocking peptide - 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:<a href="http://www.uniprot.org/citations/25561738" target="\_blank">25561738</a>, PubMed:<a href="http://www.uniprot.org/citations/17355966" target="\_blank">17355966</a>). Part of chromatin remodeling machinery, forms H3K4me1, H3K4me2 and H3K4me3 methylation marks at active chromatin sites where transcription and DNA repair take place (PubMed:<a href="http://www.uniprot.org/citations/25561738" target="\_blank">25561738</a>, PubMed:<a href="http://www.uniprot.org/citations/17355966" target="\_blank">17355966</a>). 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. Nucleus speckle. Chromosome. Cytoplasm 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 (PubMed:17355966) (Probable). Predominantly nuclear (PubMed:38003223).

**SET1B Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**SET1B Antibody (C-term) Blocking peptide - Images****SET1B Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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)