

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

SET1B Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9UPS6](#)**SET1B Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 23067**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:17355966, PubMed:25561738). Part of chromatin remodeling machinery, forms H3K4me1, H3K4me2 and H3K4me3 methylation marks at active chromatin sites where transcription and DNA repair take place (PubMed:17355966, PubMed:25561738). 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 (Probable) (PubMed:17355966). 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)