

CLLD8/SETDB2 Antibody (Center V514) Blocking peptide
Synthetic peptide
Catalog # BP1075b**Specification**

CLLD8/SETDB2 Antibody (Center V514) Blocking peptide - Product InformationPrimary Accession [Q96T68](#)**CLLD8/SETDB2 Antibody (Center V514) Blocking peptide - Additional Information****Gene ID** 83852**Other Names**

Histone-lysine N-methyltransferase SETDB2, Chronic lymphocytic leukemia deletion region gene 8 protein, Lysine N-methyltransferase 1F, SET domain bifurcated 2, SETDB2, C13orf4, CLLD8, KMT1F

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1075b](/product/products/AP1075b) was selected from the Center region of human SETDB2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CLLD8/SETDB2 Antibody (Center V514) Blocking peptide - Protein Information**Name** SETDB2**Synonyms** C13orf4, CLLD8, KMT1F**Function**

Histone methyltransferase involved in left-right axis specification in early development and mitosis. Specifically trimethylates 'Lys-9' of histone H3 (H3K9me3). H3K9me3 is a specific tag for epigenetic transcriptional repression that recruits HP1 (CBX1, CBX3 and/or CBX5) proteins to methylated histones. Contributes to H3K9me3 in both the interspersed repetitive elements and centromere-associated repeats. Plays a role in chromosome condensation and segregation during mitosis.

Cellular Location

Nucleus. Chromosome

Tissue Location

Ubiquitous. Highest expression in heart, testis and ovary

CLLD8/SETDB2 Antibody (Center V514) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CLLD8/SETDB2 Antibody (Center V514) Blocking peptide - Images**CLLD8/SETDB2 Antibody (Center V514) Blocking peptide - Background**

Proteins that contain a SET domain, such as SETDB2, modulate gene expression epigenetically through histone H3 methylation. SETDB2 is likely a histone H3 methyltransferase, as it contains both the active site and flanking cysteine residues required for catalytic activity.

CLLD8/SETDB2 Antibody (Center V514) Blocking peptide - References

Zhang, Y., et al., Nat. Genet. 34(2):181-186 (2003). Mabuchi, H., et al., Cancer Res. 61(7):2870-2877 (2001).