

**Mouse Dnmt3b Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21512c****Specification**

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**Mouse Dnmt3b Blocking Peptide (Center) - Product Information**Primary Accession [O88509](#)**Mouse Dnmt3b Blocking Peptide (Center) - Additional Information****Gene ID** 13436**Other Names**

DNA (cytosine-5)-methyltransferase 3B, Dnmt3b, DNA methyltransferase MmullIB, DNA MTase MmullIB, MMmullIB, Dnmt3b

**Target/Specificity**

The synthetic peptide sequence is selected from aa 356-370 of HUMAN Dnmt3b

**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.

**Mouse Dnmt3b Blocking Peptide (Center) - Protein Information****Name** Dnmt3b**Function**

Required for genome-wide de novo methylation and is essential for the establishment of DNA methylation patterns during development. DNA methylation is coordinated with methylation of histones. May preferentially methylates nucleosomal DNA within the nucleosome core region. May function as transcriptional co-repressor by associating with CBX4 and independently of DNA methylation. Seems to be involved in gene silencing. In association with DNMT1 and via the recruitment of CTCFL/BORIS, involved in activation of BAG1 gene expression by modulating dimethylation of promoter histone H3 at H3K4 and H3K9. Functions as a transcriptional corepressor by associating with ZHX1 (By similarity). Required for DUX4 silencing in somatic cells (By similarity).

**Cellular Location**

Nucleus. Note=Accumulates in the major satellite repeats at pericentric heterochromatin

## **Mouse Dnmt3b Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

## **Mouse Dnmt3b Blocking Peptide (Center) - Images**

## **Mouse Dnmt3b Blocking Peptide (Center) - Background**

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## **Mouse Dnmt3b Blocking Peptide (Center) - References**

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