

**Mouse Kdm6b Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP20854c****Specification**

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**Mouse Kdm6b Blocking Peptide (Center) - Product Information**Primary Accession [Q5NCY0](#)**Mouse Kdm6b Blocking Peptide (Center) - Additional Information****Gene ID** 216850**Other Names**

Lysine-specific demethylase 6B, 11411-, JmjC domain-containing protein 3, Jumonji domain-containing protein 3, Kdm6b, Jmjd3, Kiaa0346

**Target/Specificity**

The synthetic peptide sequence is selected from aa 1023-1037 of HUMAN Kdm6b

**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 Kdm6b Blocking Peptide (Center) - Protein Information****Name** Kdm6b**Synonyms** Jmjd3, Kiaa0346**Function**

Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code. Demethylates trimethylated and dimethylated H3 'Lys-27'. Plays a central role in regulation of posterior development, by regulating HOX gene expression. Involved in inflammatory response by participating in macrophage differentiation in case of inflammation by regulating gene expression and macrophage differentiation (PubMed:<a href="http://www.uniprot.org/citations/17825402" target="\_blank">17825402</a>). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression by acting as a link between T-box factors and the SMARCA4-containing SWI/SNF remodeling complex (PubMed:<a href="http://www.uniprot.org/citations/21095589" target="\_blank">21095589</a>).

**Cellular Location**

Nucleus.

### **Mouse Kdm6b Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

### **Mouse Kdm6b Blocking Peptide (Center) - Images**

### **Mouse Kdm6b Blocking Peptide (Center) - Background**

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### **Mouse Kdm6b Blocking Peptide (Center) - References**

Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).  
Okazaki N.,et al.DNA Res. 10:167-180(2003).  
Carninci P.,et al.Science 309:1559-1563(2005).  
De Santa F.,et al.Cell 130:1083-1094(2007).