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Mouse Kdm6b Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20854c

Specification

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,

Mouse Kdm6b Blocking Peptide (Center) - Background

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.

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).

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:17825402). 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:21095589).

Cellular Location
Nucleus.

Mouse Kdm6b Blocking Peptide (Center) - Protocols

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

- Blocking Peptides