

KDM6A Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21261c**Specification**

KDM6A Blocking Peptide (Center) - Product InformationPrimary Accession [O15550](#)**KDM6A Blocking Peptide (Center) - Additional Information**

Gene ID 7403

Other Names

Lysine-specific demethylase 6A, 11411-, Histone demethylase UTX, Ubiquitously-transcribed TPR protein on the X chromosome, Ubiquitously-transcribed X chromosome tetratricopeptide repeat protein, KDM6A, UTX

Target/Specificity

The synthetic peptide sequence is selected from aa 797-812 of HUMAN KDM6A

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.

KDM6A Blocking Peptide (Center) - Protein Information

Name KDM6A

Synonyms UTX

Function

Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code (PubMed:17713478, PubMed:17761849, PubMed:17851529). Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-27' (PubMed:17713478, PubMed:17761849, PubMed:17851529). Plays a central role in regulation of posterior development, by regulating HOX gene expression (PubMed:17851529). Demethylation of 'Lys-27' of histone H3 is concomitant with

methylation of 'Lys-4' of histone H3, and regulates the recruitment of the PRC1 complex and monoubiquitination of histone H2A (PubMed:17761849). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression (By similarity).

Cellular Location

Nucleus.

KDM6A Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

KDM6A Blocking Peptide (Center) - Images**KDM6A 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 but not monomethylated H3 'Lys-27'. Plays a central role in regulation of posterior development, by regulating HOX gene expression. Demethylation of 'Lys-27' of histone H3 is concomitant with methylation of 'Lys-4' of histone H3, and regulates the recruitment of the PRC1 complex and monoubiquitination of histone H2A.

KDM6A Blocking Peptide (Center) - References

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