

JMJD2C Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11444b**Specification**

JMJD2C Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9H3R0](#)**JMJD2C Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 23081**Other Names**

Lysine-specific demethylase 4C, 11411-, Gene amplified in squamous cell carcinoma 1 protein, GASC-1 protein, JmjC domain-containing histone demethylation protein 3C, Jumonji domain-containing protein 2C, KDM4C, GASC1, JHDM3C, JMJD2C, KIAA0780

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.

JMJD2C Antibody (C-term) Blocking peptide - Protein Information**Name** KDM4C**Synonyms** GASC1, JHDM3C, JMJD2C, KIAA0780**Function**

Histone demethylase that specifically demethylates 'Lys-9' and 'Lys-36' residues of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27' nor H4 'Lys-20'. Demethylates trimethylated H3 'Lys-9' and H3 'Lys-36' residue, while it has no activity on mono- and dimethylated residues. Demethylation of Lys residue generates formaldehyde and succinate.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00537}.

Tissue Location

Overexpressed in several esophageal squamous cell carcinomas (ESCs).

JMJD2C Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

JMJD2C Antibody (C-term) Blocking peptide - Images

JMJD2C Antibody (C-term) Blocking peptide - Background

This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein with one JmjC domain, one JmjN domain, two PHD-type zinc fingers, and two Tudor domains. This nuclear protein functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form. Chromosomal aberrations and increased transcriptional expression of this gene are associated with esophageal squamous cell carcinoma. Alternative splicing results in multiple transcript variants.

JMJD2C Antibody (C-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Suikki, H.E., et al. Prostate 70(8):889-898(2010) Kantojarvi, K., et al. Psychiatr. Genet. 20(3):102-108(2010) Liu, G., et al. Oncogene 28(50):4491-4500(2009) Canova, C., et al. Cancer Res. 69(7):2956-2965(2009)