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# JMJD2C Antibody (C-term) Blocking peptide

**Synthetic peptide**
**Catalog # BP11444b**

## Specification

### JMJD2C Antibody (C-term) Blocking peptide - Product Information

Primary 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).

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## 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 nuclearprotein functions as a trimethylation-specific demethylase,converting specific trimethylated histone residues to thedimethylated form. Chromosomal aberrations and increasedtranscriptional expression of this gene are associated withesophageal squamous cell carcinoma. Alternative splicing results inmultiple 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)