

**JMJD2c polyclonal antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11387****Specification**

---

**JMJD2c polyclonal antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q9H3R0</a>
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	119982

**JMJD2c polyclonal antibody - Additional Information****Gene ID** 23081Positive Control  
Application & Usage**Western blot: HeLa cells, ELISA: Peptides.**  
**Western Blot: 1:1000, ELISA: 1:50.****Other Names**  
JHDM3c, KDM4c, GASC1**Target/Specificity**  
JMJD2c**Antibody Form**  
Liquid**Appearance**  
Colorless liquid**Formulation**  
In PBS with 0.05% (W/V) sodium azide.**Handling**  
The antibody solution should be gently mixed before use.**Reconstitution & Storage**  
-20 °C**Background Descriptions****Precautions**

JMJD2c polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**JMJD2c polyclonal antibody - 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 polyclonal antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **JMJD2c polyclonal antibody - Images**

### **JMJD2c polyclonal antibody - Background**

JMJD2c belongs to the JMJD2 family of histone demethylases which play an important role in the establishment of the histone code. JMJD2c specifically demethylates the trimethylated K9 and K36 of histone H3. It is not able to demethylate K4, K27 and K36 of histone H3, K20 of histone H4, or the mono- and dimethylated H3K9 and H3K36.