

## Product datasheet for **TA344416**

### **KDM4B Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The immunogen for anti-JMJD2B antibody: synthetic peptide directed towards the middle region of human JMJD2B. Synthetic peptide located within the following region: SASRASLKAKLLRRSHRKRSPKPKPEDPKFPGEGTAGAALLEEAGGSV
<b>Formulation:</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
<b>Purification:</b>	Affinity Purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	122 kDa
<b>Gene Name:</b>	lysine demethylase 4B
<b>Database Link:</b>	<a href="#">NP_055830</a> <a href="#">Entrez Gene 23030 Human</a> <a href="#">O94953</a>



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**Background:** JMJD2 family proteins are classified into one group with JD2H and TUDOR domains and another group without JD2H or TUDOR domains. Because JMJD2C gene (also known as GASC1 gene) is amplified in esophageal squamous cell carcinoma (ESCC), JMJD2 family genes are cancer-associated genes. Human genes corresponding to KIAA0677, KIAA0876, KIAA0780 and FLJ10251 cDNAs were designated JMJD2A, JMJD2B, JMJD2C, and JMJD2D, respectively. In addition, JMJD2D homologous genes within human genome sequences AP002383.3 and AP001264.4 were designated JMJD2E and JMJD2F, respectively. C2HC2HC2- and C5HC2-type Cys (His) clusters were identified as the region conserved among JMJD2A (1064 aa), JMJD2B (1096 aa), and JMJD2C (1056 aa) proteins. JMJD2A, JMJD2B and JMJD2C consist of JmjN, JmjC, JD2H, and two TUDOR domains.

**Synonyms:** JMJD2B; TDRD14B

**Note:** Immunogen Sequence Homology: Rat: 100%; Human: 100%; Dog: 93%; Pig: 93%; Horse: 93%; Bovine: 92%; Guinea pig: 83%; Mouse: 82%

**Protein Families:** Druggable Genome

### Product images:



WB Suggested Anti-JMJD2B Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive  
Control: Human kidney