

## Product datasheet for **TA347226**

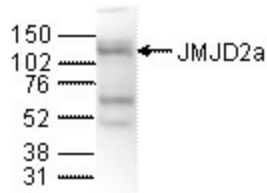
### **KDM4A Rabbit Polyclonal Antibody**

#### **Product data:**

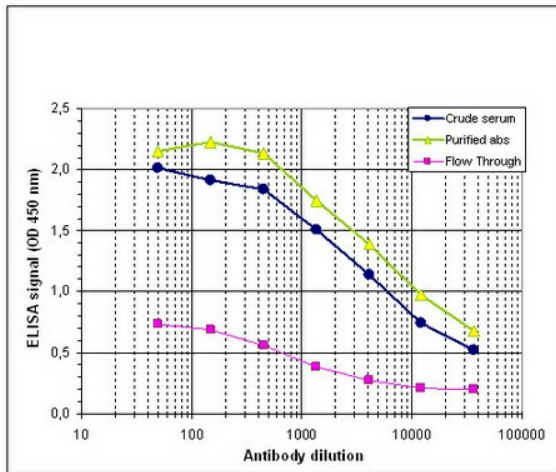
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	ELISA (1:100 ?? 1:500); Western blotting (1:500)
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The immunogen for anti-JMJD2a antibody: human JMJD2a (Jumonji domain containing 2a), using a KLH-conjugated synthetic peptide containing a sequence from the central part of the protein.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity purified polyclonal antibody in PBS containing 0.05% azide and 0.05% ProClin 300.
<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>Gene Name:</b>	lysine demethylase 4A
<b>Database Link:</b>	<a href="#">NP_055478</a> <a href="#">Entrez Gene 9682 Human</a> <a href="#">O75164</a>
<b>Background:</b>	JMJD2a (UniProtKB/Swiss-Prot entry O75164), belongs to the JMJD2 family of histone demethylases which play an important role in the establishment of the histone code. JMJD2a specifically demethylates the trimethylated K9 and K36 of histone H3, thereby converting these lysines to the dimethylated form. It has no activity towards H3K4, H3K27 and H4K20, or to the mono- and dimethylated H3K9 and H3K36. JMJD2a plays a role in the transcriptional repression of ASCL2 and E2F-responsive promoters via the recruitment of histone deacetylases and NCOR1, respectively.
<b>Synonyms:</b>	JHDM3A; JMJD2; JMJD2A; TDRD14A
<b>Protein Families:</b>	Druggable Genome, Transcription Factors



[View online »](#)

**Product images:**


WB using the antibody against JMJD2a diluted 1:500 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the right (expected size 121 kDa); the marker (in kDa) is shown on the left.



Determination of the titer To determine the titer of the antibody, an ELISA was performed using a serial dilution of the antibody against human JMJD2a, crude serum and flow through. The plates were coated with the peptide used for immunization of the rabbit. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:9,000.