

## Product datasheet for **TA319844**

### **KDM6B Rabbit Polyclonal Antibody**

#### **Product data:**

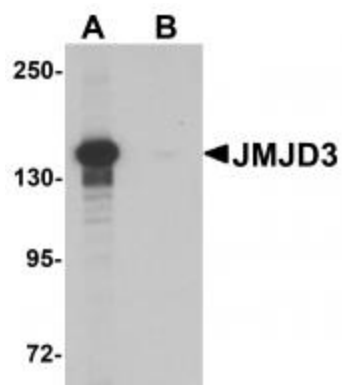
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, WB
<b>Recommended Dilution:</b>	WB: 0.5 ug/mL, IF: 5 ug/mL
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	JMJD3 antibody was raised against a 16 amino acid synthetic peptide from near the amino terminus of human JMJD3.
<b>Formulation:</b>	JMJD3 Antibody is supplied in PBS containing 0.02% sodium azide.
<b>Concentration:</b>	1ug/ul
<b>Purification:</b>	JMJD3 Antibody is affinity chromatography purified via peptide column.
<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 6B
<b>Database Link:</b>	<a href="#">NP_001073893</a> <a href="#">Entrez Gene 216850 Mouse</a> <a href="#">Entrez Gene 363630 Rat</a> <a href="#">Entrez Gene 23135 Human</a> <a href="#">O15054</a>
<b>Background:</b>	JMJD3 Antibody: The Jumonji domain-containing protein 3 (JMJD3) functions as a trimethylation-specific demethylase, converting the trimethylated histone H3 Lys27 residue to the dimethylated form, and is thought to also function as a transcriptional repressor. JMJD3 plays a central role in regulation of posterior development, by regulating HOX gene expression. It is involved in inflammatory response by participating in macrophage differentiation in case of inflammation by regulating gene expression and macrophage differentiation. JMJD3 can also interact with and demethylate p53, resulting in its stabilization and localization to the nucleus in mouse embryo fibroblasts during neural stem cell differentiation.



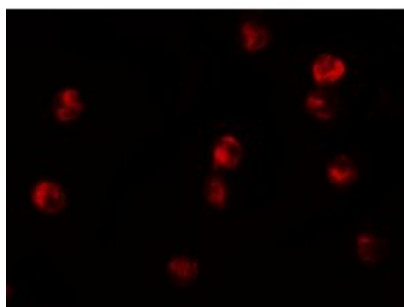
[View online »](#)

Synonyms: JMJD3

### Product images:



Western blot analysis of JMJD3 in K562 cell lysate with JMJD3 antibody at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of JMJD3 in K562 cells with JMJD3 antibody at 20 ug/mL.



Immunocytochemistry of JMJD3 in K562 cells with JMJD3 antibody at 2.5 ug/mL.