

DATASHEET

JMJD2C Rabbit Polyclonal Antibody

CAT. NO. APA15966

KEY FEATURES

Target	JMJD2C	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

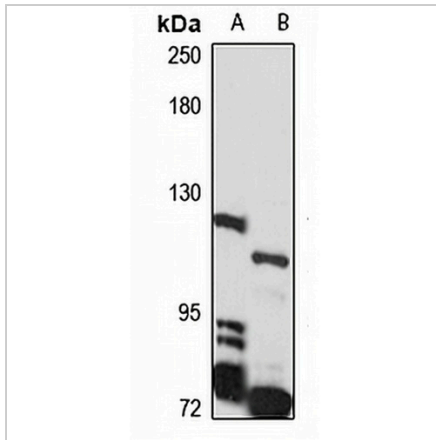
Description	Rabbit polyclonal antibody to JMJD2C
Specificity	Recognizes endogenous levels of JMJD2C protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human JMJD2C. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 91; Observed: 120 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GASC1; JHDM3C; JMJD2C; KIAA0780; Lysine-specific demethylase 4C; Gene amplified in squamous cell carcinoma 1 protein; GASC-1 protein; JmjC domain-containing histone demethylation protein 3C; Jumonji domain-containing protein 2C
Gene Symbol	KDM4C
Entrez Gene	23081(Human); 76804(Mouse)
SwissProt	Q9H3R0(Human); Q8VCD7(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of JMJD2C expression in U87MG (A), mouse brain (B) whole cell lysates. (Predicted band size: 91; 94; 118; 119 kD; Observed band size: 120 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.