

Datasheet for ABIN356558
anti-JMJD2D antibody (C-Term)



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1 Image

Overview

Quantity:	0.4 mL
Target:	JMJD2D (KDM4D)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JMJD2D antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human JMJD2D.
Isotype:	Ig Fraction
Specificity:	This antibody will recognize JMJD2D (C-term).
Purification:	Protein A Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	JMJD2D (KDM4D)
Alternative Name:	JMJD2D / KDM4D (KDM4D Products)

Target Details

Background: Covalent modification of histones plays critical role in regulating chromatin structure and transcription. While most covalent histone modifications are reversible, only recently has it been established that methyl groups are subject to enzymatic removal from histones. A family of novel JmjC domain-containing histone demethylation (JHDM) enzymes have been identified that perform this specific function. Histone demethylation by JHDM proteins requires cofactors Fe(II) and alpha-ketoglutarate. Family members include JHDM1 (demethylating histone 3 at lysine 36), and JHDM2A as well as JMJD2CH3K9 (both of which demethylate histone 3 at lysine 9). Contributions of histone demethylase activity to tumor development, decreases in cell proliferation, and hormone-dependent transcriptional activation have been observed. Synonyms: JHDM3D, JmjC domain-containing histone demethylation protein 3D, Jumonji domain-containing protein 2D, Lysine-specific demethylase 4D

Gene ID: 55693

NCBI Accession: [NP_060509](#)

UniProt: [Q6B016](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: ELISA: 1/1,000. Western Blot: 1/250-1/500.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Handling

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Images

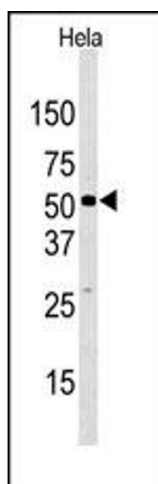


Image 1.