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JMJD1B Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1027A

Specification

JMJD1B Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q7LBC6
Other Accession	Q6ZPY7
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**191581**
Antigen Region	**25-57**

JMJD1B Antibody (N-term) - Additional Information

Gene ID 51780

Other Names
Lysine-specific demethylase 3B, 11411-, JmjC domain-containing histone demethylation protein 2B, Jumonji domain-containing protein 1B, Nuclear protein 5qNCA, KDM3B, C5orf7, JHDM2B, JMJD1B, KIAA1082

Target/Specificity
This JMJD1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 25-57 amino acids from the N-terminal region of human JMJD1B.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
JMJD1B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

JMJD1B Antibody (N-term) - Protein Information

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Name KDM3B

Synonyms C5orf7, JHDM2B, JMJD1B, KIAA1082

Function Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Demethylation of Lys residue generates formaldehyde and succinate. May have tumor suppressor activity.

Cellular Location
Nucleus.

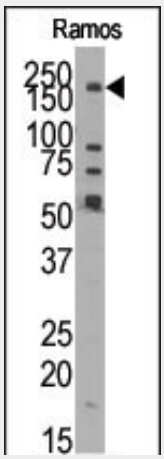
Tissue Location
Ubiquitous. Highly expressed in placenta, skeletal muscle, kidney, heart and liver.

JMJD1B Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

JMJD1B Antibody (N-term) - Images



Western blot analysis of anti-JMJD1B (N-term) Pab in Ramos cell line lysate. JMJD1B (N-term)(arrow) was detected using the purified Pab.

JMJD1B Antibody (N-term) - 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.

JMJD1B Antibody (N-term) - References

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