JMJD1B Antibody

Catalog No: #24956

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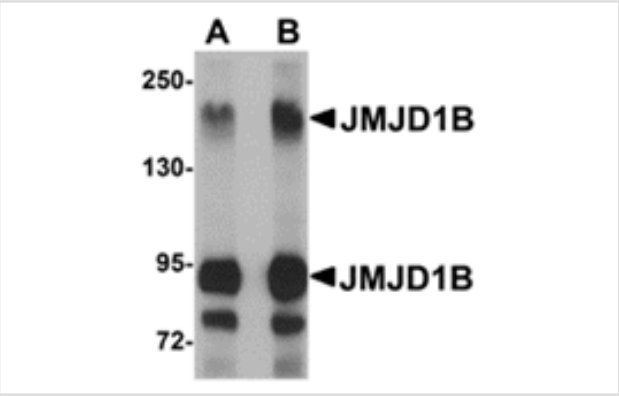
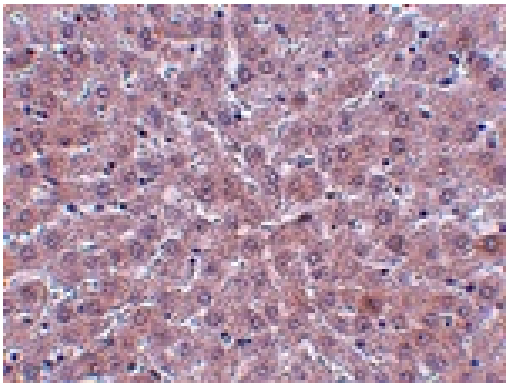
Description

Product Name	JMJD1B Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	This antibody will not cross-react with JMJD1A or JMJD1C.
Immunogen Type	Peptide
Immunogen Description	Raised against a 20 amino acid peptide from near the center of human JMJD1B.
Target Name	JMJD1B
Other Names	5qNCA, Lysine-specific demethylase 3B, KDM3B
Accession No.	Swiss-Prot:Q7LBC6Gene ID:51780
Uniprot	Q7LBC6
GeneID	51780;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of JMJD1B in rat liver tissue lysate with JMJD1B antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of JMJD1B in rat liver tissue with JMJD1B antibody at 2.5 ug/mL.

Background

The jumonji domain containing 1B protein (JMJD1B) was originally discovered as a candidate for the myeloid leukemia tumor suppressor gene. Besides CD34+ cells and acute myeloid leukemia (AML) cell lines, JMJD1B mRNA is highly expressed in liver, heart, kidney, skeletal muscle, and placenta tissues. The JMJD1B gene is localized to a region of chromosome 5q31, which is frequently deleted in myeloid leukemias and myelodysplasias and expression of JMJD1B in a del(5q) cell line results in suppression of clonogenic growth suggesting that JMJD1B may function as a tumor suppressor. In contrast, JMJD1B gene copy number and mRNA expression level was increased in several non-small cell lung cancers indicating that the role of JMJD1B in cancer formation and progression is more complex than originally postulated. At least three isoforms of JMJD1B are known to exist.

Note: This product is for in vitro research use only