10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

JMJD4 Antibody

Catalog # ASC10971

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9H9V9
Other Accession	NP_075383, 239788847
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	47425
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	JMJD4 antibody can be used for detection of JMJD4 by Western blot at 1 g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 g/mL. For immunofluorescence start at 5 g/mL.

Additional Information

Gene ID	65094
Other Names	JmjC domain-containing protein 4, Jumonji domain-containing protein 4, JMJD4
Target/Specificity	JMJD4; This antibody will not recognize other members of the JMJD family.
Reconstitution & Storage	JMJD4 antibody can be stored at 4℃ for three months and -20℃, stable for up to 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.
Precautions	JMJD4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	JMJD4
Function	Catalyzes the 2-oxoglutarate and iron-dependent C4-lysyl hydroxylation of ETF1 at 'Lys-63' thereby promoting the translational termination efficiency of ETF1.
Cellular Location	Cytoplasm.

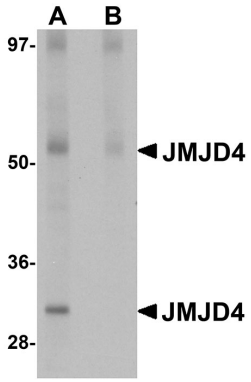
Background

JMJD4 Antibody: The jumonji domain-containing protein (JMJD) family is defined by the presence of the JmjC domain that is observed in several diverse species. While several JMJD proteins have been identified as being involved in chromatin regulation, histone demethylation and development, the JMJD4 has not been identified. JMJD4 is expressed in multiple tissues and At least three isoforms of JMJD4 are known to exist.

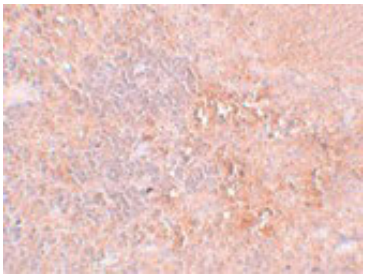
References

Takeuchi T, Watanabe Y, Takano-Shimizu T, et al. Roles of jumonji and jumonji family genes in chromatin regulation and development. Dev. Dyn.2006; 235:2449-59.

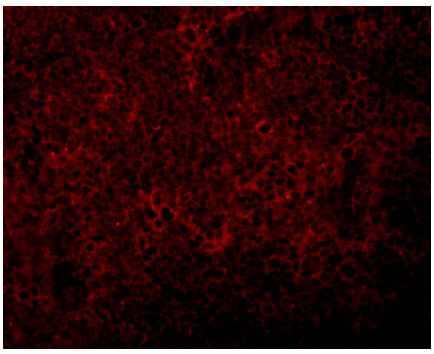
Images



Western blot analysis of JMJD4 in human spleen tissue lysate with JMJD4 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of JMJD4 in rat spleen tissue with JMJD4 antibody at 2.5 µg/mL.



Immunofluorescence of JMJD4 in rat spleen tissue with JMJD4 antibody at 5 µg/mL.

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