KDM3A, also name as JMID1A, JHDM2A, JMID1, JMID1A, KIAA0742 and TSGA, belongs to the JHDM2 histone demethylase family. It is a histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. It is involved in spermatogenesis by regulating expression of target genes such as PRM1 and TMP1 which are required for packaging and condensation of sperm chromatin. It is involved in obesity resistance through regulation of metabolic genes such as PPARα and UCP1. (PubMed:16603237), JMJD1A is a useful biomarker for hypoxic tumor cells and a prognostic marker that could be a promising therapeutic target against CRC. (PMID:20823141) This antibody recognize the N-term of KDM3A(JMJD1A).

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HeLa cells were subjected to SDS PAGE followed by western blot with 12835-1-AP (KDM3A,JMJD1A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

IP Result of anti-KDM3A,JMJD1A (IP:12835-1-AP, Sug; Detection:12835-1-AP 1:1000) with HeLa cells lysate 2500ug.

Immunohistochemical analysis of paraffin-embedded human ovary tumor using 12835-1-AP (KDM3A,JMJD1A antibody) at dilution of 1:100 (under 10x lens).

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 12835-1-AP (KDM3A,JMJD1A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).