

JMJD2A Polyclonal Antibody

ALTERNATE NAMES:	Jumonji Domain Containing 2A; KDM4A; Lysine-Specific Demethylase 4A.
CATALOG #:	6108-100
AMOUNT:	100 µl
HOST:	Rabbit
ISOTYPE:	IgG
IMMUNOGEN:	Human recombinant JMJD2A aa 1-350
PURIFICATION:	Antigen Affinity purified
FORMULATION:	100 µl of antibody in TBS, pH 7.4, containing 50% glycerol, 0.5 mg/ml BSA, and 0.02% sodium azide.

SPECIES REACTIVITY: Human JMJD2A. Expected to cross react with JMJD2C (>90% similarity), JMJD2B (>85% similarity) due to high homology to these JMJD2 paralogs considering the antigen used. Observed detection of purified recombinant human JMJD2D at 50 ng suggesting only ~10% cross reactivity with recombinant JMJD2D, however bands were detected at 60 kDa from cell samples.

STORAGE CONDITIONS: Store at -20°C. Avoid freeze/thaw cycles.

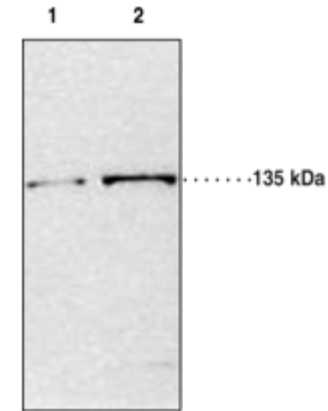
DESCRIPTION:

Jumonji Domain containing 2A (JMJD2A) is a lysine specific demethylase with emerging roles in histone modification or epigenetic remodeling. This JMJD2A polyclonal antibody was raised against an N-terminal recombinant fragment of JMJD2A. This fragment includes amino acids 1-350 including the JMJD and JMJD domains but not the two LAP/PHD zinc finger or Tudor domains of the 1,064 amino acid protein. JMJD2A is detected at 135 kDa by western blotting using a DLD1 cell lysate as a positive control. Also, the expression of JMJD2A varies by tissue, and northern blotting suggests skeletal muscle as a negative control and lung as a positive control tissue.

SPECIFICITY: Human JMJD2A.

APPLICATION: Western blot: 1:200 dilution. Not recommended for FACS and IHC based on probable cross reactivity with other JMJD containing proteins.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Lane 1: DLD1 cell lysate (30 µg)
Lane 2: DLD1 cell lysate (60 µg)

Western Blot using JMJD2A polyclonal Antibody

RELATED PRODUCTS:

- JMJD1A Antibody (Cat. No. 3273-100)
- JMJD6 Polyclonal Antibody (Cat. No. 6109-50)
- GSK-J1 sodium salt (Cat. No. 2260-1, -5)
- GSK-J4 hydrochloride (Cat. No. 2259-1, -5)
- IOX1 (Cat. No. 2266-5, -25)
- JMJD2A (888-1023 aa), Human recombinant (Cat. No. 7678-20, -50)
- JMJD6 (2-403 aa), Human recombinant (Cat. No. 7679-20, -50)
- SMN Tudor Domain (1472-1613 aa), Human recombinant (Cat. No. 7676-20, -50)

FOR RESEARCH USE ONLY! Not to be used on humans.