
JMJD2A Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254133

Unit: 0.1 mg

Description:

Members of the Jumonji domain 2 (JMJD2) family contain a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. The first member of this group, JMJD2A, is widely expressed in human tissues and cell lines and functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor. JMJD2A can also form a complex with the androgen receptor (AR), a transcription factor that is pivotal for the development of prostate cancer. Overexpression of JMJD2A stimulates AR function and this stimulation is dependent on JMJD2A catalytic activity, suggesting that JMJD2A might be a critical protein with roles in cell proliferation and oncogenesis.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: JMJD2A; Jumonji domain-containing protein 2A; Lysine-specific demethylase 4A; KDM4A

Accession No.: CAH71021

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human JMJD2A.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.