
KDM3A (1E12) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 253092

Unit: 0.1 ml

Description:

JMJD1A (Lysine-specific demethylase 3A) is a zinc finger protein that contains a jumonji domain and may play a role in hormone-dependent transcriptional activation. JMJD1A functions as a mono- and dimethylation-specific demethylase, binding iron and alpha-ketoglutarate as cofactors and demethylating Lysine 9 of Histone H3. This suggests that JMJD1A plays a central role in the histone code and participates in nuclear hormone receptor-based transcriptional regulation. In addition, JMJD1A plays an important role in the regulation of cell growth during development and in chromatin regulation. JMJD1A directly regulates the expression of TNP1 and Protamine 1 (proteins required for the proper packaging and condensation of sperm chromatin), therefore, plays an essential role in spermatogenesis.

Isotype: Mouse IgG1

Applications: WB, IHC

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: Lysine-specific demethylase 3A; JmjC domain-containing histone demethylation protein 2A; Jumonji domain-containing protein 1A; JHDM2A; JMJD1; JMJD1A; KIAA0742; TSGA; KDM3A

Accession No.: Q9Y4C1

Antigen: Purified recombinant fragment of human KDM3A expressed in E. coli.

Application Notes: WB: 1:500-1:2000; IHC: 1:200-1:1000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

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