

KDM3A monoclonal antibody

Catalog: MB21401

Host: Mouse

Reactivity: Human

BackGround:

This gene encodes 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 α -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) and, therefore, plays an essential role in spermatogenesis.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

147kDa

Swiss-Prot:

Q9Y4C1

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000

Storage&Stability:

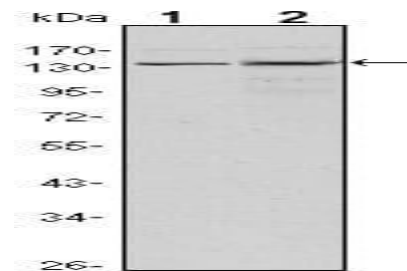
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

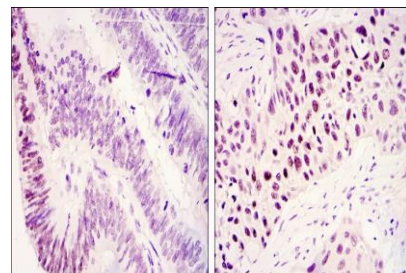
Isotype:

Mouse IgG1

DATA:



Western blot analysis using KDM3A mouse mAb against HeLa (1) and HepG2 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human colonic cancer tissues (left) and lung cancer tissues (right) using KDM3A mouse mAb with DAB staining.

Note:

For research use only, not for use in diagnostic procedure.

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