

KDM6A Rabbit pAb

Catalog No.: A8159

4 Publications

Basic Information

Observed MW

180kDa

Calculated MW

154kDa/157kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

Background

Enables DNA binding activity; histone H3-tri/di-methyl-lysine-27 demethylase activity; and identical protein binding activity. Involved in chromatin remodeling. Acts upstream of or within several processes, including chordate embryonic development; embryonic morphogenesis; and histone H3-K27 demethylation. Located in nucleus. Part of histone methyltransferase complex. Is expressed in several structures, including early conceptus; gonad; liver; lung; and spleen. Used to study chronic myelomonocytic leukemia. Human ortholog(s) of this gene implicated in several diseases, including Kabuki syndrome; bladder urothelial carcinoma; gastrointestinal system cancer (multiple); lung carcinoma (multiple); and triple-receptor negative breast cancer. Orthologous to human KDM6A (lysine demethylase 6A).

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

22289

Swiss Prot**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 550-700 of mouse KDM6A (NP_033509.1).

Synonyms

Utx; KDM6A

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

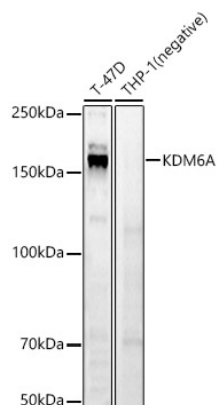
Affinity purification

Storage

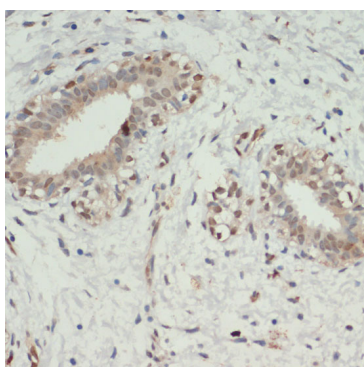
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using KDM6A antibody (A8159) at 1:700 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded human breast cancer using Kdm6a antibody (A8159) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.