

Kdm6b Rabbit pAb

Catalog No.: A12763 **6 Publications**

Basic Information

Observed MW

170kDa

Calculated MW

176kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse

Background

Enables beta-catenin binding activity; histone H3-tri/di-methyl-lysine-27 demethylase activity; and sequence-specific DNA binding activity. Involved in several processes, including histone H3-K27 demethylation; mesodermal cell differentiation; and positive regulation of cold-induced thermogenesis. Acts upstream of or within several processes, including cellular response to hydrogen peroxide; histone demethylation; and positive regulation of transcription by RNA polymerase II. Located in nucleus. Is expressed in several structures, including brain; gut; liver; metanephros; and olfactory epithelium. Orthologous to human KDM6B (lysine demethylase 6B).

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

216850

Swiss Prot

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

Jmjd3; 1700064E03Rik; Kdm6b

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

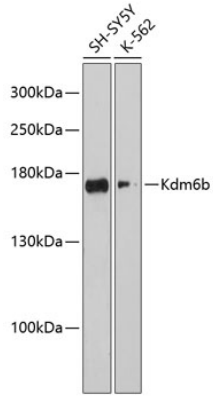
Affinity purification

Storage

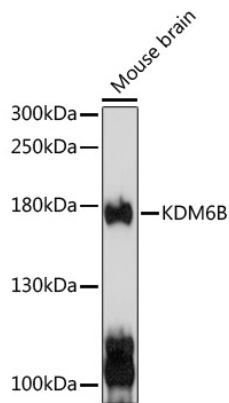
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

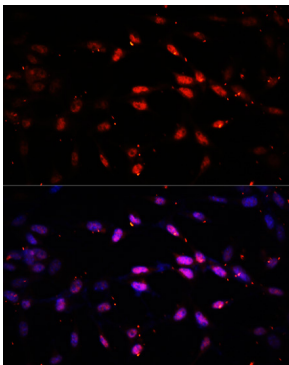
Validation Data



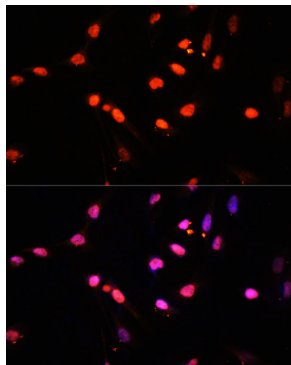
Western blot analysis of various lysates using Kdm6b Rabbit pAb (A12763) at 1:3000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.



Western blot analysis of lysates from mouse brain, using Kdm6b Rabbit pAb (A12763) at 1:1000 dilution. Secondary antibody: HRP-conjugated 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: 10s.



Immunofluorescence analysis of NIH/3T3 cells using Kdm6b Rabbit pAb (A12763) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using Kdm6b Rabbit pAb (A12763) at dilution of 1:100. Blue: DAPI for nuclear staining.