

Product Datasheet

JMJD1B Antibody (1A8) NBP3-32491

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-32491

JMJD1B Antibody (1A8)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A8
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	191 kDa

Product Description

Host	Rabbit
Gene ID	51780
Gene Symbol	KDM3B
Species	Human, Mouse
Immunogen	Recombinant protein within human JMJD1B aa 251-500. (Uniprot: Q7LBC6)

Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:400-1:2000

Images

Western Blot: JMJD1B Antibody (1A8) [NBP3-32491] - Western blot analysis of JMJD1B on different lysates with Rabbit anti-JMJD1B antibody (NBP3-32491) at 1/1,000 dilution.

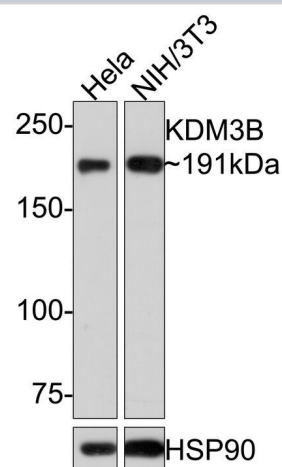
Lane 1: HeLa cell lysate (25 ug/Lane)
Lane 2: NIH/3T3 cell lysate (10 ug/Lane)

Predicted band size: 191 kDa
Observed band size: 191 kDa

Exposure time: 2 minutes;

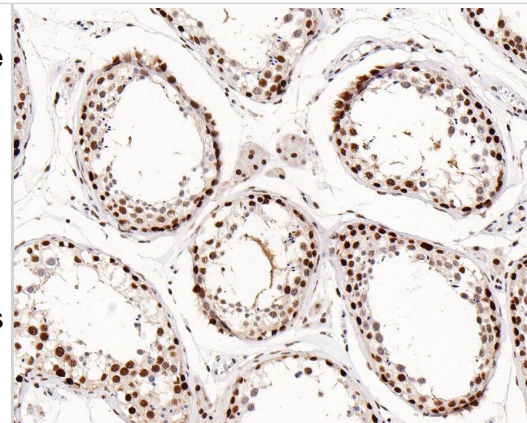
6% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32491) at 1/1,000 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



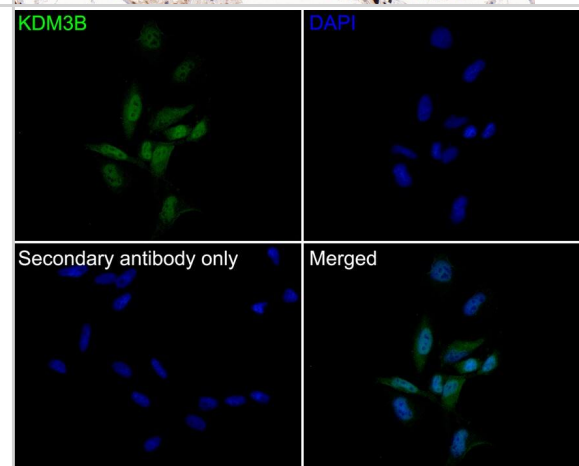
Immunohistochemistry: JMJD1B Antibody (1A8) [NBP3-32491] - Immunohistochemical analysis of paraffin-embedded human testis tissue with Rabbit anti-JMJD1B antibody (NBP3-32491) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32491) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



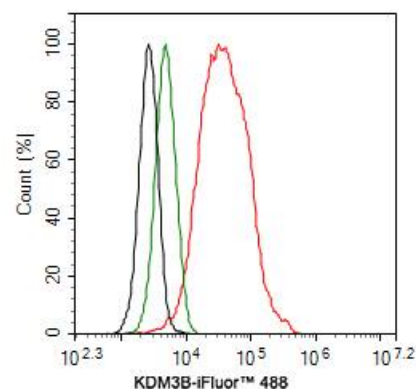
Immunocytochemistry/ Immunofluorescence: JMJD1B Antibody (1A8) [NBP3-32491] - Immunocytochemistry analysis of HeLa cells labeling JMJD1B with Rabbit anti-JMJD1B antibody (NBP3-32491) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 10 minutes at 37 °C, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-JMJD1B antibody (NBP3-32491) at 1/100 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Flow Cytometry: JMJD1B Antibody (1A8) [NBP3-32491] - Flow cytometric analysis of HeLa cells labeling JMJD1B.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32491, 1 µg/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-32491

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00051780-P01-10ug	Recombinant Human JMJD1B GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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