

Product Datasheet

KDM5B/PLU1/Jarid1B Antibody (orb381075)

Catalog Number orb381075

Category Antibodies

Description KDM5B/PLU1/Jarid1B Antibody

Clonality Polyclonal

Rabbit Species/Host

Isotype Rabbit IgG

Conjugation Unconjugated

Reactivity Human, Monkey, Mouse, Rat

Lyophilized Form/Appearance

Concentration Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.

Purification Immunogen affinity purified.

Immunogen A synthetic peptide corresponding to a sequence in the middle region of human

KDM5B, identical to the related mouse and rat sequences.

UniProt ID Q9UGL1

MW 180 kDa

Tested applications FC, ICC, IF, IHC, WB

Application notes Western blot, 0.1-0.5μg/ml, Human, Mouse, Rat, Monkey Immunohistochemistry

(Paraffin-embedded Section), 0.5-1µg/ml, Human, Mouse, Rat

Immunocytochemistry/Immunofluorescence, 2µg/ml, Human Flow Cytometry (Fixed), 1-3µg/1x106 cells, Human. Add 0.2ml of distilled water will yield a

concentration of 500ug/ml

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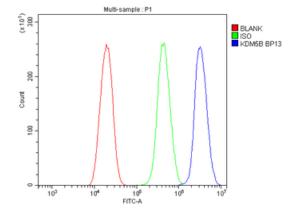
Cross Reactivity No cross-reactivity with other proteins.

Antibody Type Primary Antibody

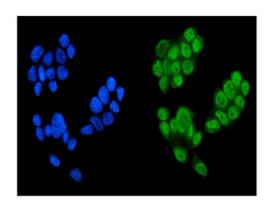
Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -

20°C in small aliquots to prevent freeze-thaw cycles.

Note For research use only



Flow Cytometry analysis of U20S cells using anti-KDM5B antibody. Overlay histogram showing U20S cells (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-KDM5B Antibody (1 $\mu g/1x10^6$ cells) for 30 min at 20°C. DyLight® 488 conjugated goat anti-rabbit IgG (5-10 $\mu g/1x10^6$ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 $\mu g/1x10^6$) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF analysis of KDM5B using anti-KDM5B antibody. KDM5B was detected in immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 2 μg/mL rabbit anti-KDM5B Antibody overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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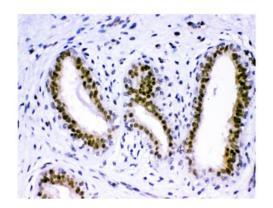
$$\begin{split} & \text{Email: } \underline{\text{info@biorbyt.com}}, \underline{\text{support@biorbyt.com}} \\ & \text{Phone: } \underline{+44\ (0)1223\ 859353} \mid \text{Fax: } \underline{+1\ (415)\ 651\text{-}8558} \end{split}$$

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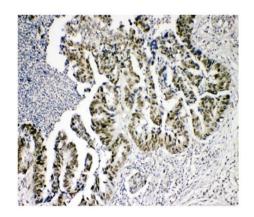
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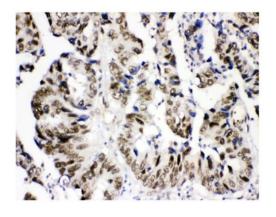




IHC analysis of KDM5B using anti-KDM5B antibody. KDM5B was detected in paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 μ g/ml rabbit anti-KDM5B Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of KDM5B using anti-KDM5B antibody. KDM5B was detected in paraffin-embedded section of human intestinal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 μ g/ml rabbit anti-KDM5B Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



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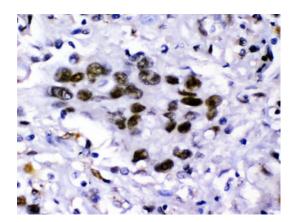
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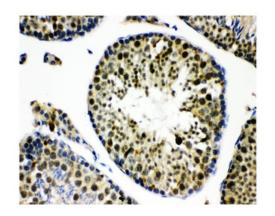
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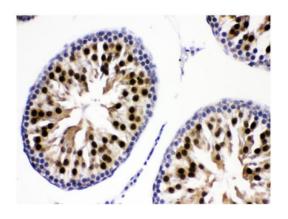




IHC analysis of KDM5B using anti-KDM5B antibody. KDM5B was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 µg/ml rabbit anti-KDM5B Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of KDM5B using anti-KDM5B antibody. KDM5B was detected in paraffin-embedded section of mouse testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 μ g/ml rabbit anti-KDM5B Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of KDM5B using anti-KDM5B antibody. KDM5B was detected in paraffin-embedded section of rat testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 µg/ml rabbit anti-KDM5B Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

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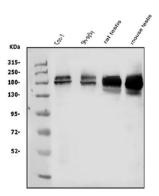
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Western blot analysis of KDM5B using anti-KDM5B antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: monkey COS-7 whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates, Lane 3: rat testis tissue lysates, Lane 4: mouse testis tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-KDM5B antigen affinity purified polyclonal antibody at 0.5 μg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for KDM5B at approximately 180 KD. The expected band size for KDM5B is at 180 KD.

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