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Datasheet for ABIN6979671

## anti-KDM1B antibody (AA 51-150) (Alexa Fluor 594)

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | KDM1B   |
| Binding Specificity: | AA 51-150   |
| Reactivity:          | Mouse, Rat  |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This KDM1B antibody is conjugated to Alexa Fluor 594  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human LSD2 / AOF1 |
| Isotype:              | IgG   |
| Cross-Reactivity:     | Mouse, Rat  |
| Predicted Reactivity: | Human,Dog,Cow,Sheep,Pig,Horse,Rabbit                            |
| Purification:         | Purified by Protein A.  |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | KDM1B  |
| Alternative Name: | LSD2 / AOF1 ( <a href="#">KDM1B Products</a> ) |

## Target Details

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**Background:** Synonyms: LSD2 / AOF1, KDM1B, amine oxidase (flavin containing) domain 1, amine oxidase, flavin containing 1, AOF1, bA204B7.3, C6orf193, dJ298J15.2, Flavin-containing amine oxidase domain-containing protein 1, FLJ33898, FLJ34109, FLJ43328, KDM1B, KDM1B\_HUMAN, LSD2, lysine (K)-specific demethylase 1B, Lysine-specific demethylase 2, Lysine-specific histone demethylase 1B, Lysine-specific histone demethylase 2.

**Background:** Histone demethylase that demethylates 'Lys-4' of histone H3, a specific tag for epigenetic transcriptional activation, thereby acting as a corepressor. Required for de novo DNA methylation of a subset of imprinted genes during oogenesis. Acts by oxidizing the substrate by FAD to generate the corresponding imine that is subsequently hydrolyzed. Demethylates both mono- and di-methylated 'Lys-4' of histone H3. Has no effect on tri-methylated 'Lys-4', mono-, di- or tri-methylated 'Lys-9', mono-, di- or tri-methylated 'Lys-27', mono-, di- or tri-methylated 'Lys-36' of histone H3, or on mono-, di- or tri-methylated 'Lys-20' of histone H4.

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**Gene ID:** 221656

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**UniProt:** [Q8NB78](#)

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**Pathways:** [Warburg Effect](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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## Handling

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months