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Datasheet for ABIN6980533

anti-KDM1B antibody (AA 51-150) (Alexa Fluor 647)

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 647
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 (KDM1B Products)

Target Details

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.

Gene ID: 221656

UniProt: [Q8NB78](#)

Pathways: [Warburg Effect](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

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

Preservative: ProClin

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

Storage: -20 °C

Handling

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

Expiry Date: 12 months