

## ARG41836 anti-KDM1B / LSD2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes KDM1B / LSD2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KDM1B / LSD2
Species	Human
Immunogen	Synthetic peptide of Human KDM1B / LSD2.
Conjugation	Un-conjugated
Alternate Names	dJ298J15.2; Lysine-specific histone demethylase 1B; Flavin-containing amine oxidase domain-containing protein 1; C6orf193; EC 1.-.-.-; Lysine-specific histone demethylase 2; AOF1; LSD2; bA204B7.3

### Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IP	1:60
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	~ 88 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

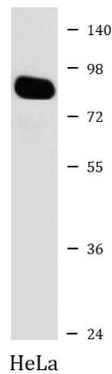
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## Bioinformation

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Gene Symbol	KDM1B
Gene Full Name	lysine (K)-specific demethylase 1B
Background	Flavin-dependent histone demethylases, such as KDM1B, regulate histone lysine methylation, an epigenetic mark that regulates gene expression and chromatin function (Karytinov et al., 2009 [PubMed 19407342]).[supplied by OMIM, Oct 2009]
Function	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 (By similarity). [UniProt]
Calculated Mw	92 kDa
Cellular Localization	Nucleus. [UniProt]

## Images



ARG41836 anti-KDM1B / LSD2 antibody WB image

Western blot: HeLa cell lysate stained with ARG41836 anti-KDM1B / LSD2 antibody.