

ARG59258 anti-KDM5B / Jarid1B antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KDM5B / Jarid1B
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KDM5B / Jarid1B
Species	Human
Immunogen	Recombinant protein of Human KDM5B / Jarid1B.
Conjugation	Un-conjugated
Alternate Names	PPP1R98; Histone demethylase JARID1B; PUT1; RBBP2H1A; Cancer/testis antigen 31; Jumonji/ARID domain-containing protein 1B; Retinoblastoma-binding protein 2 homolog 1; PLU-1; PLU1; RBP2-H1; CT31; EC 1.14.11.-; Lysine-specific demethylase 5B; JARID1B

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	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	K562	
Observed Size	176 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 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.

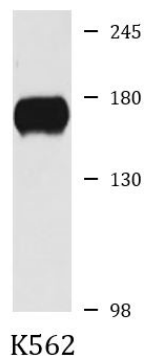
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	KDM5B
Gene Full Name	lysine (K)-specific demethylase 5B
Background	This gene encodes a lysine-specific histone demethylase that belongs to the jumonji/ARID domain-containing family of histone demethylases. The encoded protein is capable of demethylating tri-, di- and monomethylated lysine 4 of histone H3. This protein plays a role in the transcriptional repression or certain tumor suppressor genes and is upregulated in certain cancer cells. This protein may also play a role in genome stability and DNA repair. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
Function	Histone demethylase that demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9' or H3 'Lys-27'. Demethylates trimethylated, dimethylated and monomethylated H3 'Lys-4'. Acts as a transcriptional corepressor for FOXG1B and PAX9. Favors the proliferation of breast cancer cells by repressing tumor suppressor genes such as BRCA1 and HOXA5. In contrast, may act as a tumor suppressor for melanoma. Represses the CLOCK-ARNTL/BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 (By similarity). [UniProt]
Calculated Mw	176 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG59258 anti-KDM5B / Jarid1B antibody WB image

Western blot: 25 µg of K562 cell lysate stained with ARG59258 anti-KDM5B / Jarid1B antibody at 1:1000 dilution.