

JARID1B Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14476A**Specification**

JARID1B Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9UGL1
Other Accession	NP_006609.3
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	175658
Antigen Region	192-224

JARID1B Antibody (N-term) - Additional Information**Gene ID** 10765**Other Names**

Lysine-specific demethylase 5B, 11411-, Cancer/testis antigen 31, CT31, Histone demethylase JARID1B, Jumonji/ARID domain-containing protein 1B, PLU-1, Retinoblastoma-binding protein 2 homolog 1, RBP2-H1, KDM5B, JARID1B, PLU1, RBBP2H1

Target/Specificity

This JARID1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-224 amino acids from the N-terminal region of human JARID1B.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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.

Precautions

JARID1B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

JARID1B Antibody (N-term) - Protein Information**Name** KDM5B

Synonyms JARID1B, PLU1, RBBP2H1

Function Histone demethylase that demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code (PubMed:[24952722](#), PubMed:[27214403](#), PubMed:[28262558](#)). 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 (PubMed:[24952722](#)). In contrast, may act as a tumor suppressor for melanoma. Represses the CLOCK-BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00355, ECO:0000255|PROSITE-ProRule:PRU00537, ECO:0000269|PubMed:10336460, ECO:0000269|PubMed:12237901}

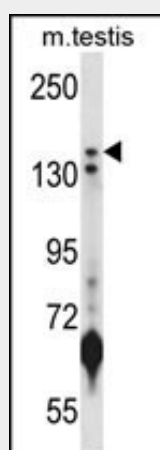
Tissue Location

Ubiquitously expressed, with highest levels in testis. Down-regulated in melanoma and glioblastoma. Up-regulated in breast cancer (at protein level).

JARID1B Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

JARID1B Antibody (N-term) - Images

JARID1B Antibody (N-term) (Cat. #AP14476a) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the JARID1B antibody detected the JARID1B protein (arrow).

JARID1B Antibody (N-term) - Background

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.

JARID1B Antibody (N-term) - References

Kim, J., et al. Biochem. Biophys. Res. Commun. 401(3):412-416(2010)
Krishnakumar, R., et al. Mol. Cell 39(5):736-749(2010)
Yao, W., et al. Biochem. Biophys. Res. Commun. 396(2):323-328(2010)
Roesch, A., et al. Cell 141(4):583-594(2010)
Hayami, S., et al. Mol. Cancer 9, 59 (2010) :