

JARID1B Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14476a**Specification**

JARID1B Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9UGL1](#)**JARID1B Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

JARID1B Antibody (N-term) Blocking Peptide - 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](http://www.uniprot.org/citations/24952722), PubMed: [27214403](http://www.uniprot.org/citations/27214403), PubMed: [28262558](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

JARID1B Antibody (N-term) Blocking Peptide - Images**JARID1B Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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) :