

# Product Datasheet

## Lysine (K)-specific Demethylase 4C/KDM4C/JMJD2C Antibody - BSA Free NB110-38884

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB110-38884**

Lysine (K)-specific Demethylase 4C/KDM4C/JMJD2C Antibody - BSA Free

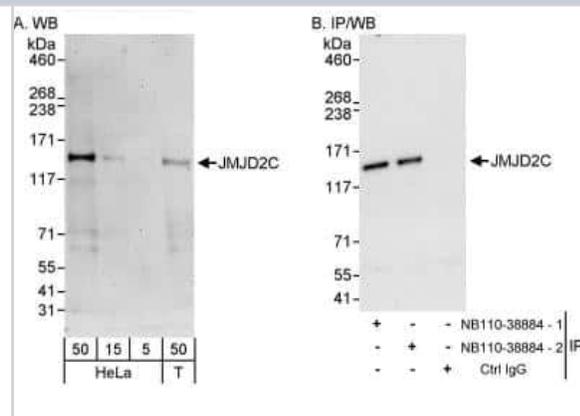
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description	
Host	Rabbit
Gene ID	23081
Gene Symbol	KDM4C
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:33441614)
Immunogen	The immunogen recognized by this antibody maps to a region between residue 475 and 525 of human Jumonji Domain Containing 2C using the numbering given in entry NP_055876.2

Product Application Details	
Applications	Western Blot, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2-5 ug/mg lysate, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	Chip reactivity reported in (PMID: 24648347).

**Images**

Western Blot: Lysine (K)-specific Demethylase 4C/KDM4C/JMJD2C Antibody [NB110-38884] - Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and 293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-JMJD2C antibody NB110-38884 lot 2 used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. JMJD2C was also immunoprecipitated by rabbit anti-JMJD2C antibody NB110-38884 Lot 1. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



## Publications

Mak KH, Lam YM, Ng RK Histone demethylase JMJD2B/KDM4B regulates transcriptional program via distinctive epigenetic targets and protein interactors for the maintenance of trophoblast stem cells Scientific reports 2021-01-13 [PMID: 33441614] (WB, Mouse)

Liu G, Bollig-Fischer A et al. Genomic amplification and oncogenic properties of the GASC1 histone demethylase gene in breast cancer. Oncogene 2009-12-17 [PMID: 19784073] (WB, Human)

Ratovitski EA. Phospho-DeltaNp63alpha/microRNA network modulates epigenetic regulatory enzymes in squamous cell carcinomas. Cell Cycle 2014-01-01 [PMID: 24394434] (Chemotaxis, Human)

Walsh CA, Bolger JC, Byrne C et al. Global gene repression by the steroid receptor coactivator SRC-1 promotes oncogenesis. Cancer Res. 2014-03-19 [PMID: 24648347] (WB, Chemotaxis, Human)

Luo W, Chang R, Zhong J, Pandey A, Semenza GL. Histone demethylase JMJD2C is a coactivator for hypoxia-inducible factor 1 that is required for breast cancer progression. Proc Natl Acad Sci U S A. 2012-12-04 [PMID: 23129632] (Chemotaxis, Human)

Mallette FA, Mattioli F, Cui G et al. RNF8- and RNF168-dependent degradation of KDM4A/JMJD2A triggers 53BP1 recruitment to DNA damage sites EMBO J. 2012-04-01 [PMID: 22373579]





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### **Products Related to NB110-38884**

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NB800-PC1	HeLa Whole Cell Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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