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# Datasheet for ABIN387862 anti-Kdm6b antibody (N-Term)

3 Images

15 Publications



### Overview

Quantity:	200 µL
Target:	Kdm6b
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kdm6b antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This JMJD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human JMJD3.
Clone:	RB10077
lsotype:	Ig Fraction
Predicted Reactivity:	Μ
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

### Target Details

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Kdm6b

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Target Details	
Alternative Name:	JMJD3 (Kdm6b Products)
Background:	Covalent modification of histones plays critical role in regulating chromatin structure and transcription. While most covalent histone modifications are reversible, only recently has it been established that methyl groups are subject to enzymatic removal from histones. A family of novel JmjC domain-containing histone demethylation (JHDM) enzymes have been identified that perform this specific function. Histone demethylation by JHDM proteins requires cofactors Fe(II) and alpha-ketoglutarate. Family members include JHDM1 (demethylating histone 3 at lysine 36), and JHDM2A as well as JMJD2CH3K9 (both of which demethylate histone 3 at lysine 9). Contributions of histone demethylase activity to tumor development, decreases in cell proliferation, and hormone-dependent transcriptional activation have been observed.
Molecular Weight:	176632
Gene ID:	23135
NCBI Accession:	NP_001073893
UniProt:	015054
Pathways:	Warburg Effect

# Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

# Handling

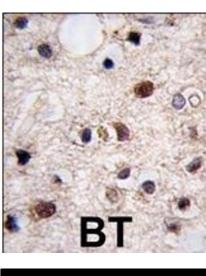
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.

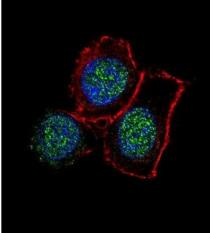
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN387862 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

Handling	
Expiry Date:	6 months
Publications	
Product cited in:	Hedlund, Karlsson, Osborn, Ludwig, Isacson: "Global gene expression profiling of somatic motor
	neuron populations with different vulnerability identify molecules and pathways of degeneration
	and protection." in: Brain : a journal of neurology, Vol. 133, Issue Pt 8, pp. 2313-30, (2010) (
	PubMed).

There are more publications referencing this product on: Product page

### Images



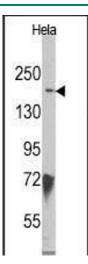


### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human brain tissue reacted with JMJD3 (N-term) (ABIN387862 and ABIN2844039), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of JMJD3 Antibody (N-term) (ABIN387862 and ABIN2844039) with Hela cell followed by Alexa Fluor 488-conjugated goat antirabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DI was used to stain the cell nuclear (blue).



#### Western Blotting

**Image 3.** Western blot analysis of anti-JMJD3 (N-term) Pab ((ABIN387862 and ABIN2844039)) in Hela cell line lysates. JMJD3 (arrow) was detected using the purified Pab.

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