

Datasheet for ABIN387864  
**anti-Kdm6b antibody (AA 954-987)**[Go to Product page](#)

1 Image

1 Publication

## Overview

Quantity:	400 µL
Target:	Kdm6b
Binding Specificity:	AA 954-987
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kdm6b antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This Mouse JMJD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 954-987 amino acids from the Central region of mouse JMJD3.
Clone:	RB10080
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	Kdm6b
Alternative Name:	JMJD3 ( <a href="#">Kdm6b Products</a> )

## Target Details

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:	176355
Gene ID:	216850
NCBI Accession:	<a href="#">NP_001017426</a>
UniProt:	<a href="#">Q5NCY0</a>
Pathways:	<a href="#">Warburg Effect</a>

## Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

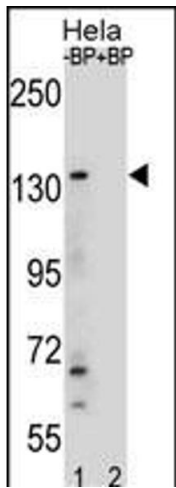
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment: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

Publications

Product cited in: Wu, Li, Fang, Yi, Chen, Long, Gao, Wei, Chen: "Investigation of synergistic mechanism and identification of interaction site of aldose reductase with the combination of gigantol and syringic acid for prevention of diabetic cataract." in: **BMC complementary and alternative medicine**, Vol. 16, Issue 1, pp. 286, (2017) ([PubMed](#)).

Guo, Wang, Liu, Myatt, Sun: "Induction of PGF2? synthesis by cortisol through GR dependent induction of CBR1 in human amnion fibroblasts." in: **Endocrinology**, Vol. 155, Issue 8, pp. 3017-24, (2014) ([PubMed](#)).

Images



**Western Blotting**

**Image 1.** Western blot analysis of anti-JMJD3 Center Pab ((ABIN387864 and ABIN2844041)) in HeLa cell line lysates. JMJD3 Center (arrow) was detected using the purified Pab.