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Datasheet for ABIN3031662 anti-Kdm6b antibody (AA 954-987)

2 Images



Overview

Quantity:	0.4 mL
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), ELISA

Product Details

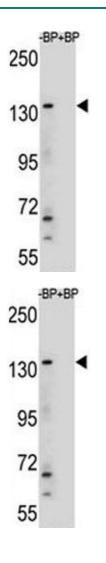
Immunogen:	A portion of amino acids 954-987 from the mouse protein was used as the immunogen for this JMJD3 antibody.
lsotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	Kdm6b
Alternative Name:	JMJD3 (KDM6B) (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

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UniProt:	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.
Pathways:	Warburg Effect
Application Details	
Application Notes:	Titration of the JMJD3 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the JMJD3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of JMJD3 antibody and HeLa lysate

Western Blotting

Image 2. Western blot analysis of JMJD3 antibody and HeLa lysate

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