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Datasheet for ABIN656008

anti-KDM3B antibody (AA 869-897)

2 Images

Overview

Quantity:	400 µL
Target:	KDM3B
Binding Specificity:	AA 869-897
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM3B antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This JHDM2b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 869-897 amino acids from the Central region of human JHDM2b.
Clone:	RB14344
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	KDM3B
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Target Details

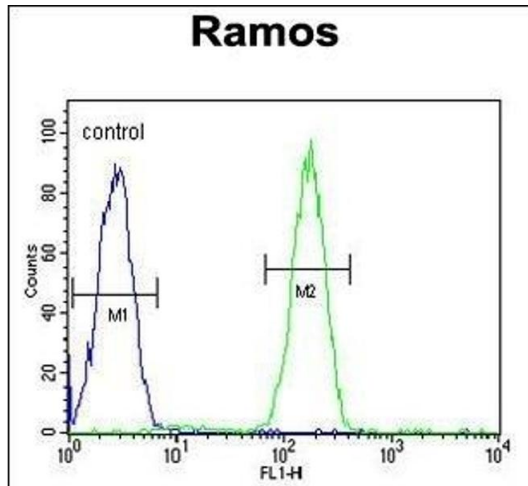
Alternative Name:	JHDM2b (KDM3B Products)
Background:	Covalent modification of histones plays critical role in regulating chromatin structure and transcription. While most covalent histone modifications are reversible, only recently has it been established that methyl groups are subject to enzymatic 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:	191581
Gene ID:	51780
NCBI Accession:	NP_057688
UniProt:	Q7LBC6
Pathways:	Warburg Effect

Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

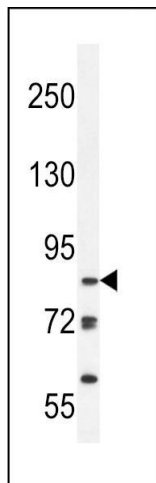
Handling

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.
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



Flow Cytometry

Image 1. JHDM2b Antibody (Center) (ABIN656008 and ABIN2845384) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. JHDM2b Antibody (Center) (ABIN656008 and ABIN2845384) western blot analysis in Ramos cell line lysates (35 μ g/lane). This demonstrates the JHDM2b antibody detected the JHDM2b protein (arrow).