



Datasheet for ABIN952970
anti-KDM3B antibody (Middle Region)



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2 Images

Overview

Quantity:	0.4 mL
Target:	KDM3B
Binding Specificity:	AA 876-905, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM3B antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 876-905 amino acids from the Central region of human JHDM2b Genename: KDM3B
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human JMJD1B / KDM3B (Center).
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	KDM3B
Alternative Name:	JMJD1B / KDM3B (KDM3B Products)
Background:	Covalent modification of histones plays critical role in regulating chromatin structure and

Target Details

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. Synonyms: 5qNCA, C5orf7, JHDM2B, JmjC domain-containing histone demethylation protein 2B, Jumonji domain-containing protein 1B, KIAA1082, Lysine-specific demethylase 3B, Nuclear protein 5qNCA

Molecular Weight: 84kd

Gene ID: 51780

NCBI Accession: [NP_057688](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

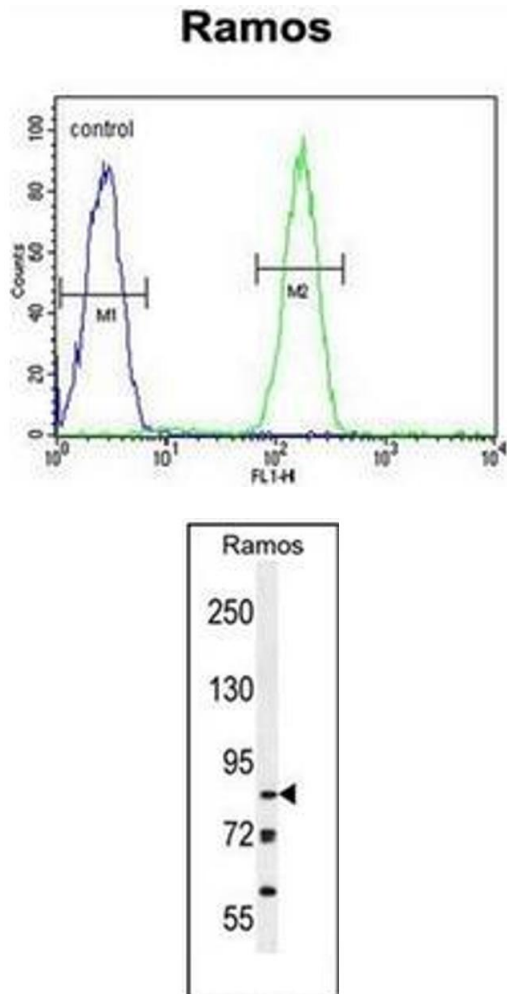
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of Ramos cells using AP52266PU-N (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. Western blot analysis of JHDM2b Antibody (Center) in Ramos cell line lysates (35ug/lane). This demonstrates the JHDM2b antibody detected the JHDM2b protein (arrow).