Datasheet for ABIN6655562

anti-KDM4B antibody (Internal Region)

3 Images

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Overview

Quantity:	100 µL
Target:	KDM4B
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM4B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Anti-JMJD2b Antibody was produced in rabbits by repeated immunizations with a synthetic peptide containing an amino acid sequence from the internal part of human JMJD2b. Immunogen Type: Peptide
Cross-Reactivity (Details):	Cross reactivity with JMJD2b from other species not tested.
Purification:	Anti-JMJD2b Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration.

Target Details

Target:	KDM4B
Alternative Name:	JMJD2b (KDM4B Products)
Background:	Synonyms: Lysine-specific demethylase 4B, JmjC domain-containing histone demethylation

Target Details

	protein 3B, Jumonji domain-containing protein 2B Background: JMJD2b, belongs to the JMJD2 family of histone demethylases which play an important role in the establishment of the histone code. JMJD2b specifically demethylates the trimethylated K9 of histone H3. It is not able to demethylate K4, K27 and K36 of histone H3, nor K20 of histone H4. Anti-JMJD2b Antibody is ideal for research in Epigenetics and Chromatin Remodeling. Gene Name: KDM4B
Gene ID:	23030
NCBI Accession:	NP_055830
UniProt:	O94953
Pathways:	Warburg Effect

Application Details

Application Notes:	Application Note: Anti-JMJD2b Antibody is suitable for ELISA, Immunofluorescence and Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 120 kDa in the appropriate cell lysate or extract. ELISA Dilution: 1:200 Western Blot Dilution: 1:1,000 IF Microscopy Dilution: 1:200
Restrictions:	For Research Use only

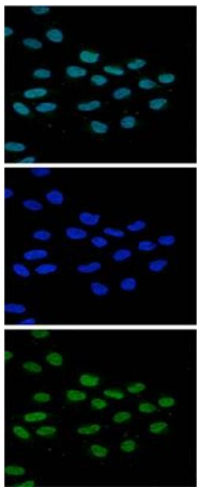
Handling

Format:	Liquid
Buffer:	0.01 % (w/v) Sodium Azide Stabilizer: None
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:	RT,4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after

Handling

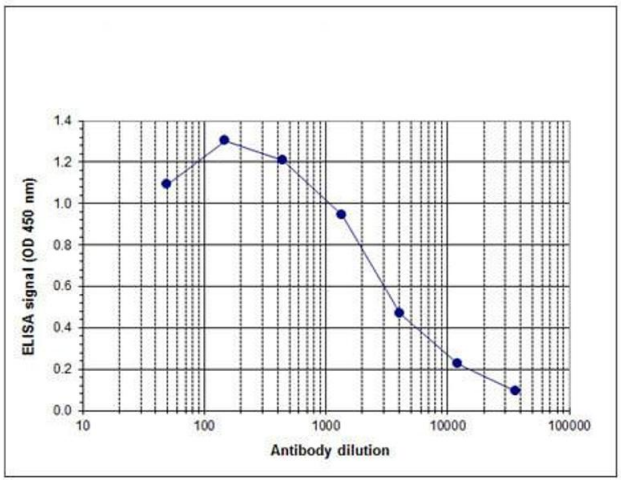
standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Images



Immunofluorescence

Image 1. Immunofluorescence Microscopy of anti-JMJD2b antibody Immunofluorescence Microscopy results of Rabbit anti-JMJD2b antibody. Tissue: HeLa cells. Fixation: 4% formaldehyde for 10' and blocked with PBS/TX-100 containing 5% normal goat serum and 1% BSA. Antigen retrieval: not required. Primary antibody: JMJD2b antibody at 1:200 for 1 h at RT. Secondary antibody: Alexa488 rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: JMJD2b is nuclear and occasionally cytoplasmic. Staining: JMJD2b as green fluorescent signal with DAPI (blue) nuclear counterstain.



ELISA

Image 2. ELISA of anti-JMJD2b antibody ELISA results of Rabbit anti-JMJD2b antibody. Antigen: BSA conjugated JMJD2b. Coating amount: 0.1 µg per well. Dilution series: serial dilution. Estimated Antibody Titer to be 1:3,000. Substrate: TMB .

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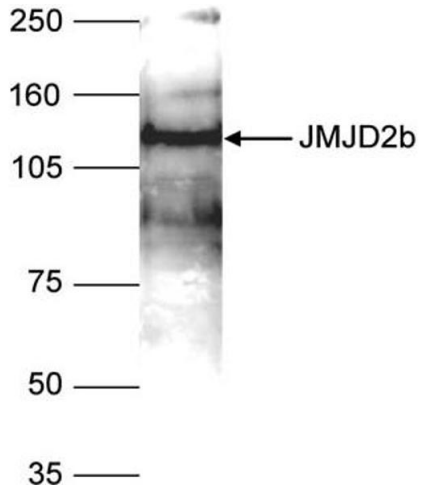

Western Blotting

Image 3. Western Blot of anti-JMJD2b antibody Western Blot results of Rabbit anti-JMJD2b antibody. Lane 1: HeLa nuclear extracts cells. Load: 40 µg per lane. Primary antibody: JMJD2b antibody at 1:1000 for overnight at 4°C. Secondary antibody: goat anti-rabbit HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO/TBS-Tween overnight at 4°C.

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