Datasheet for ABIN6972226
anti-KDM4B antibody (C-Term)
3 Images


## Overview

| Quantity: | $100 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | KDM4B |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Pabbit |
| Clonality: | This KDM4B antibody is un-conjugated |
| Conjugate: | Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), <br> Application: |

Product Details

| Immunogen: | This JMJD2B / KDM4B antibody was raised against a peptide within the C-terminal region of |
| :--- | :--- |
|  | human JMJD2B. |
| Isotype: | IgG |
| Characteristics: | JMJD2B / KDM4B (JmjC domain-containing histone demethylation protein 3B, Jumonji |
|  | domain-containing protein 2B, JHDM3B) is a histone demethylase that has been shown to |
|  | demethylate histone H3 trimethylated at lysine 9. JMJD2B / KDM4B is physically associated |
|  | with the MLL2 methyltransferase complex where it serves as a co-factor for ERa-mediated |
|  | transcriptional activation. JMJD2B / KDM4B antibody (pAb) was raised in a Rabbit host. It has |
| been validated for use in Immunocytochemistry, Immunofluorescence, Immunoprecipitation |  |
| and Western blot, it has been shown to react with Human samples. |  |

Product Details

Purification: Affinity Purified

Target Details

| Target: | KDM4B |
| :---: | :---: |
| Alternative Name: | JMJD2B / KDM4B (KDM4B Products) |
| Molecular Weight: | 142 kDa |
| NCBI Accession: | NP_055830 |
| Pathways: | Warburg Effect |
| Application Details |  |
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |
| Handling |  |
| Buffer: | Purified IgG in PBS with 30 \% glycerol and 0.035 \% 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: | $-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at $20^{\circ} \mathrm{C}$ for up to 2 years. Keep all reagents on ice when not in storage. |

- 195
-     - 142
- 96
$-71$
$-48$
- 33
$-28$



## Western Blotting

Image 1. JMJD2B / KDM4B antibody (pAb) tested by Western blot. Nuclear extract of K-562 cells $(40 \mu \mathrm{~g})$ probed with JMJD2B antibody (pAb) at a dilution of 1:500.

## Immunofluorescence

Image 2. JMJD2B / KDM4B antibody (pAb) tested by Immunofluorescence. Formaldehyde fixed HeLa cells stained with JMJD2B / KDM4B antibody at a 1:2,000 dilution.

## Immunoprecipitation

Image 3. JMJD2B / KDM4B antibody (pAb) tested by Immunoprecipitation. $4 \mu \mathrm{~L}$ of JMJD2B / KDM4B antibody was used to immunoprecipitate JMJD2B / KDM4B from $500 \mu \mathrm{~g}$ of K 562 whole cell extract (lane 2). $4 \mu \mathrm{~g}$ of mouse IgG was used as a negative control (lane 1). The immunoprecipitated protein was detected by Western blotting using the JMJD2B / KDM4B antibody at a dilution of 1:500.

