

Datasheet for ABIN3031654
anti-JMJD2D antibody (AA 484-516)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	JMJD2D (KDM4D)
Binding Specificity:	AA 484-516
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JMJD2D antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	A portion of amino acids 484-516 from the human protein was used as the immunogen for this JMJD2D antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	JMJD2D (KDM4D)
Alternative Name:	JMJD2D (KDM4D) (KDM4D 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

Target Details

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.

UniProt: [Q6B0I6](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: Titration of the JMJD2D 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.

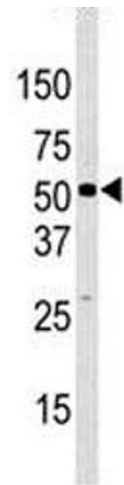
Storage: -20 °C

Storage Comment: Aliquot the JMJD2D antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of JMJD2D antibody and HeLa lysate



Western Blotting

Image 2. Western blot analysis of JMJD2D antibody and HeLa lysate