

Datasheet for ABIN932195  
**anti-KDM4A antibody**

2 Images



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## Overview

Quantity:	100 µg
Target:	KDM4A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KDM4A antibody is un-conjugated
Application:	Dot Blot (DB), Immunocytochemistry (ICC)

## Product Details

Immunogen:	JMJD2 A antibody was raised in mouse using recombinant Homo Sapiens Jumonji Domain Containing 2
Clone:	3559D5a
Isotype:	IgG2a
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

## Target Details

Target:	KDM4A
Alternative Name:	JMJD2A ( <a href="#">KDM4A Products</a> )

## Target Details

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**Background:** This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein with a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. This nuclear protein functions as a trimethylationspecific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor. Synonyms: Monoclonal JMJD2A antibody, Anti-JMJD2A antibody, Jumonji domain-containing protein 2A antibody, KIAA0677 antibody, JHDM3A antibody.

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**Pathways:** [Warburg Effect](#)

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## Application Details

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**Application Notes:** ICC: 2-100 µg/mL  
Optimal conditions should be determined by the investigator.

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**Restrictions:** For Research Use only

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## Handling

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**Concentration:** Lot specific

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**Buffer:** JMJD2 A antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub> PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub> HPO<sub>4</sub> (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN<sub>3</sub>).

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Handling Advice:** Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

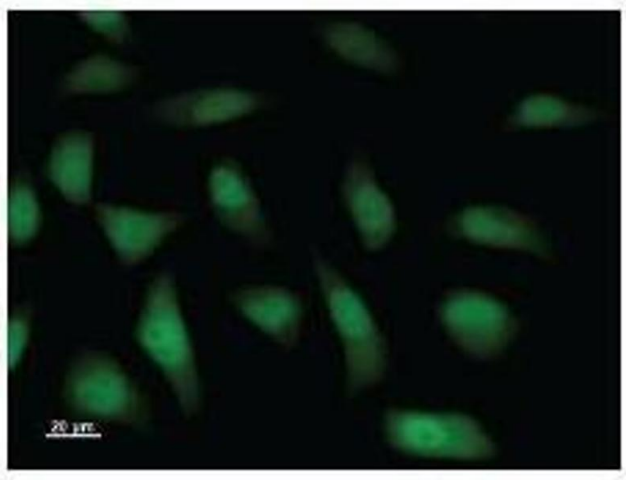
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**Storage:** 4 °C/-20 °C

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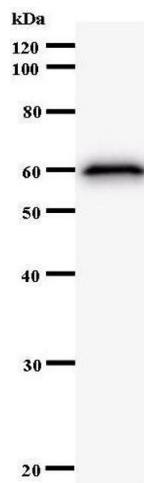
**Storage Comment:** Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.

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### Immunofluorescence

**Image 1.** Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-JMJD2A antibody.



### Western Blotting

**Image 2.**