

# Anti-KDM2A Recombinant Mouse Monoclonal Antibody

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Catalog Number 730082

Pub. No. MAN0007393 Rev. 1.00

<b>Clonality:</b> Monoclonal	<b>Quantity:</b> 100 µg	<b>Volume:</b> 200 µL	<b>Concentration:</b> 0.5 mg/mL
<b>Host/Class:</b> Mouse IgG	<b>Reactivity:</b> Human KDM2A	<b>Predicted Reactivity:</b> Human	

## Product Description

KDM2A is a heterochromosome associated histone demethylase which acts to sustain genomic stability during mitosis. The demethylase activity of KDM2A is preferential for dimethylated Lys-36 residues of histone H3, exhibiting weak, or no activity for mono- and trimethylated Lys-36. It is also involved in promoting the ubiquitination and degradation of certain phosphorylated proteins, and repressing transcription of small non-coding RNAs encoded by satellite repeats at the centromere.

This antibody was developed against a fully folded protein domain, so it does not show good reactivity against denatured proteins, and may not work in western blot applications.

## Product Specification

<b>Immunogen:</b>	Folded protein domain corresponding to amino acids 1–517 (Jumonji domain) of human KDM2A
<b>Alternate Names:</b>	CXXC8, FBL7, FBXL11, JHDM1A, KIAA1004
<b>Apparent MW:</b>	132.8 kDa
<b>Gene ID:</b>	22992
<b>Protein Accession No.:</b>	Q9Y2K7
<b>Sequence Identity:</b>	Human
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Lot:</b>	See product label

## Product Applications

Application	Species	Test Material	Concentration
Immunoprecipitation + Mass Spectrometry	Human	HEK293 cells	2 µg per IP

## Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or -20°C for long storage. Avoid repeated freezing and thawing.

## Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

## Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

 **CAUTION!** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

## Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheet (SDS), visit <http://www.lifetechnologies.com/support>.

## Related Products

Product Name	Quantity	Catalog No.
iBlot <sup>®</sup> Dry Blotting System	1 unit	IB1001
WesternBreeze <sup>®</sup> Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze <sup>®</sup> Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Streptavidin Agarose	5 mL	SA10004

## Limited product warranty

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## Explanation of Symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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5 November 2012

