

Datasheet: AHP3078

Description:	RABBIT ANTI HUMAN KDM4B
Specificity:	KDM4B
Other names:	Lysine-specific demethylase 4B
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunoprecipitation	▪			10 µl per IP
Western Blotting	▪			1/500 - 1/1000
Immunofluorescence	▪			1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
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Product Form	Purified IgG - liquid
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Antiserum Preparation	Antiserum to human KDM4B was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative	0.035% Sodium Azide (NaN ₃)
Stabilisers	30% Glycerol

Carrier Free	Yes
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Immunogen	A peptide within the C-terminal region of human KDM4B
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**External Database
Links**

UniProt:

[O94953](#) [Related reagents](#)

Entrez Gene:

[23030](#) KDM4B [Related reagents](#)

Synonyms

JHDM3B, JMJD2B, KIAA0876

Specificity

Rabbit anti Human KDM4B antibody recognizes lysine-specific demethylase 4B, also known as JMJD2B.

KDM4B is a member of the alpha-ketoglutarate-dependent hydroxylase superfamily of enzymes. Alpha-ketoglutarate-dependent hydroxylases catalyse a wide range of reactions, including hydroxylation, demethylation and desaturation ([Flashman and Schofield, 2007](#), [Hausinger, 2004](#)). KDM4B functions as a histone demethylase and is involved in the regulation of endothelial-to-mesenchymal transition ([Glaser et al. 2020](#)). KDM4B also forms a complex with MLL2 and acts as a co-factor of ERa-mediated transcription ([Kawazu et al. 2011](#)).

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10049 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP3078>
10049

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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