




Product datasheet

Anti-KDM2B antibody ab5199

★★★★★ [2 Abreviews](#) [8 References](#)

Overview

Product name	Anti-KDM2B antibody
Description	Goat polyclonal to KDM2B
Host species	Goat
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Dictyostelium discoideum 
Immunogen	Synthetic peptide corresponding to Human KDM2B aa 1324-1336. Sequence: C-FGQVEEKLLQKLS Database link: Q8NHM5 (Peptide available as ab23079)  Run BLAST with  Run BLAST with

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide.

Clonality

Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab5199 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 3 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Histone demethylase that demethylates 'Lys-4' and 'Lys-36' of histone H3, thereby playing a central role in histone code. Preferentially demethylates trimethylated H3 'Lys-4' and dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys-36'. Preferentially binds the transcribed region of ribosomal RNA and represses the transcription of ribosomal RNA genes which inhibits cell growth and proliferation. May also serve as a substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex.

Sequence similarities

Belongs to the JHDM1 histone demethylase family.
Contains 1 CXXC-type zinc finger.
Contains 1 F-box domain.
Contains 1 JmjC domain.
Contains 7 LRR (leucine-rich) repeats.
Contains 1 PHD-type zinc finger.

Domain

The JmjC domain mediates demethylation activity (By similarity). It is also required for repression of ribosomal RNA genes.

Cellular localization

Nucleus > nucleolus.

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