

Datasheet for 600-401-CEO**KDM1B Antibody****Overview**

Description:	Anti-KDM1B (RABBIT) Antibody - 600-401-CEO
Item No.:	600-401-CEO
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Flavin-dependent histone demethylases regulate histone lysine methylation, an epigenetic mark that regulates gene expression and chromatin function (reviewed in 1). KDM1B is a recently identified histone H3K4 demethylase that is required to establish maternal genomic imprints; targeted disruption of the KDM1B gene in mice led to lethality in their embryos, suggesting demethylation of H3K4 is critical for establishing the DNA methylation imprints (2). KDM1B has also been shown to play a role in the transcription elongation in several genes (3).
Synonyms:	KDM1B Antibody, AOF1, LSD2, C6orf193, bA204B7.3, dJ298J15.2, AOF1, Lysine-specific histone demethylase 1B, Flavin-containing amine oxidase domain-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KDM1B
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-KDM1B antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the N-terminus of human KDM1B.

Purity/Specificity:	Anti-KDM1B antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. KDM1B antibody is human, mouse and rat reactive. At least two isoforms of KDM1B are known to exist; this KDM1B antibody will detect both isoforms.
Relevant Links:	• UniProtKB - Q8NB78 • GeneID - 221656 • NCBI - NP_694587

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-KDM1B Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 92 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

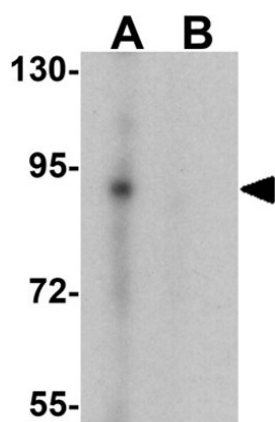
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot of KDM1B.

Load: K562 cell lysate.

Primary Antibody: KDM1B antibody at 0.5 µg/ml in (A) the absence and (B) the presence of blocking peptide.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.