

Datasheet: VPA00009

Description:	RABBIT ANTI LYSINE-SPECIFIC HISTONE DEMETHYLASE
Specificity:	LYSINE-SPECIFIC HISTONE DEMETHYLASE
Other names:	LSD1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

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
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Rabbit polyclonal antibody purified by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Immunogen	Peptide corresponding corresponding to a 17 amino acid sequence from the N-terminus of human LSD1
External Database Links	<p>UniProt: O60341 Related reagents</p> <p>Entrez Gene: 23028 KDM1A Related reagents</p>
Synonyms	AOF2, KDM1, KIAA0601, LSD1
Specificity	<p>Rabbit anti Human lysine-specific histone demethylase antibody recognizes lysine-specific histone demethylase (LSD1), a ubiquitously expressed nuclear protein belonging to the flavin monoamine oxidase family and containing a single SWIRM domain.</p> <p>Histone modifications mediate changes in gene expression by altering chromatin structure or by serving as a platform to recruit other proteins. LSD1 is an amine oxidase that catalyzes the lysine-specific demethylation of histone proteins via an FAD-dependent oxidative reaction. Methylation on histone H3-K9 is thought to play an important role in heterochromatin formation, while methylation on arginine and some lysine residues, e.g. H3-K4, are associated with active transcription.</p> <p>Rabbit anti Human lysine-specific histone demethylase antibody recognizes a band of ~115 kDa in multiple cell lines by western blotting under reducing conditions. This antibody is expected to recognize both described isoforms of lysine-specific histone demethylase.</p>
Western Blotting	Anti lysine-specific histone demethylase antibody detects a band of approximately 115 kDa in Jurkat cell lysates.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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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