

Datasheet: VMA00243

**BATCH NUMBER 172486**

<b>Description:</b>	MOUSE ANTI SETDB1
<b>Specificity:</b>	SETDB1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	5H6D4
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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. Learn about [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: 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

Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites.

### Buffer Solution

Phosphate buffered saline.

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>).

## Stabilisers

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**Approx. Protein Concentrations** IgG concentration 0.5 mg/ml

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**Immunogen** Purified recombinant fragment of human SETDB1 expressed in *E. coli*

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## External Database Links

**UniProt:**

[Q15047](#)    [Related reagents](#)

**Entrez Gene:**

[9869](#) SETDB1    [Related reagents](#)

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**Synonyms** KIAA0067, KMT1E

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## Specificity

**Mouse anti Human SETDB1 antibody** recognizes the histone-lysine N-methyltransferase SETDB1, also known as ERG-associated protein with SET domain, ERG-associated protein with a SET domain, ESET, H3-K9-HMTase 4, histone H3-K9 methyltransferase 4, histone-lysine N-methyltransferase SETDB1, histone-lysine N-methyltransferase, H3lysine-9 specific 4, lysine N-methyltransferase 1E and tudor domain containing 21.

Histone-lysine N-methyltransferase SETDB1 is a histone methyltransferase which regulates histone methylation, gene silencing, and transcriptional repression. SETDB1 has been identified as a target for treatment in Huntington's disease, given that gene silencing and transcription dysfunction likely play a role in the disease pathogenesis. Alternatively spliced transcript variants of SETDB1 have been described (provided by RefSeq, Jun 2011).

Mouse anti Human SETDB1 antibody detects a band of 180 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti SETDB1 detects a band of approximately 180 kDa in HEK293 cell lysates.

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**Storage** This product is shipped at ambient temperature.  
Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee** 12 months from date of despatch.

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00243>

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**Regulatory** For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

## **Recommended Negative Controls**

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

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

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