

## Datasheet: VMA00414

<b>Description:</b>	MOUSE ANTI JAB1
<b>Specificity:</b>	JAB1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG2b
<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. 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

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

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

**Immunogen** *E.coli*-derived recombinant human JAB1

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**External Database**

**Links**

**UniProt:**

[Q92905](#)

[Related reagents](#)

**Entrez Gene:**

[10987](#)

COPS5

[Related reagents](#)

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**Synonyms**

CSN5, JAB1

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**Specificity**

**Mouse anti Human JAB1 antibody** recognizes JAB1, also known as 38 kDa Mov34 homolog, COP9 constitutive photomorphogenic homolog subunit 5, COP9 signalosome complex subunit 5, COPS5, jun activation domain-binding protein 1 or signalosome subunit 5.

The protein encoded by the COPS5 gene is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases. This protein is reported to be involved in the degradation of cyclin-dependent kinase inhibitor CDKN1B/p27Kip1. It is also known to be a coactivator that increases the specificity of JUN/AP1 transcription factors (provided by RefSeq, Jul 2008).

Mouse anti Human JAB1 antibody detects a band of 36 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti JAB1 detects a band of approximately 36 kDa in Jurkat cell lysates

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**Storage**

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:

Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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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 IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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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://bio-rad-antibodies.com/datasheets)

'M370173:200529'

**Printed on 29 Aug 2021**

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