

Datasheet: VMA00576

**BATCH NUMBER 161202**

<b>Description:</b>	MOUSE ANTI TAB1
<b>Specificity:</b>	TAB1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG2a
<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  
**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 ascites

### Buffer Solution

HEPES buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)  
 1% Bovine Serum Albumin

<50% Glycerol

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**Immunogen** *E. coli*-derived recombinant human TAB1 (amino acids 1 - 300)

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**External Database Links**

**UniProt:**

[Q15750](#)    [Related reagents](#)

**Entrez Gene:**

[10454](#)    TAB1    [Related reagents](#)

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**Synonyms**    MAP3K7IP1

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**Specificity**    **Mouse anti Human TAB1 antibody** recognizes the TGF-beta-activated kinase 1 and MAP3K7-binding protein 1, also known as TAK1-binding protein 1, mitogen-activated protein kinase kinase kinase 7-interacting protein 1 or transforming growth factor beta-activated kinase-binding protein 1.

The protein encoded by TAB1 gene was identified as a regulator of the MAP kinase kinase kinase MAP3K7/TAK1, which is known to mediate various intracellular signaling pathways, such as those induced by TGF beta, interleukin 1, and WNT-1. This protein interacts and thus activates TAK1 kinase. It has been shown that the C-terminal portion of this protein is sufficient for binding and activation of TAK1, while a portion of the N-terminus acts as a dominant-negative inhibitor of TGF beta, suggesting that this protein may function as a mediator between TGF beta receptors and TAK1. This protein can also interact with and activate the mitogen-activated protein kinase 14 (MAPK14/p38alpha). Alternatively spliced transcript variants encoding distinct isoforms have been reported (provided by RefSeq, Jul 2008).

Mouse anti Human TAB1 antibody detects a band of 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**    Anti TAB1 detects a band of approximately 60 kDa in HEK293 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 #20359 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00576> Antibody (20359)

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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](#)

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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)

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