

Datasheet: VMA00576

Description:	MOUSE ANTI TAB1
Specificity:	TAB1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG2a
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

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 (NaN₃)
1% Bovine Serum Albumin
<50% Glycerol

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

External Database

Links

UniProt:

[Q15750](#)

[Related reagents](#)

Entrez Gene:

[10454](#)

TAB1

[Related reagents](#)

Synonyms

MAP3K7IP1

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.

Western Blotting

Anti TAB1 detects a band of approximately 60 kDa in HEK293 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 #20359 available at: Antibody (20359): <https://www.bio-rad-antibodies.com/uploads/MSDS/20359.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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