

Datasheet: VMA00284

BATCH NUMBER 151105

Description:	MOUSE ANTI PROHIBITIN
Specificity:	PROHIBITIN
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	5H7
Isotype:	IgG1
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

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

Buffer Solution

Phosphate buffered saline.

Preservative

0.09% Sodium Azide (NaN₃).

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

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

External Database Links

UniProt:

[P35232](#) [Related reagents](#)

Entrez Gene:

[5245](#) PHB [Related reagents](#)

Specificity **Mouse anti Human prohibitin antibody** recognizes prohibitin, also known as epididymis luminal protein 215, epididymis secretory sperm binding protein Li 54e.

The PHB gene is evolutionarily conserved. Encoded by this gene, prohibitin is proposed to play a role in human cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting regulatory RNA. Several pseudogenes of PHB have been identified. Alternative splicing results in multiple transcript variants (provided by RefSeq, Jul 2013).

Mouse anti Human prohibitin antibody detects a band of 32 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti prohibitin detects a band of approximately 32 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 #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00284>
Antibody (10040)

Regulatory For research purposes only.

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

