

Datasheet: VMA00255

Description:	MOUSE ANTI ARNTL
Specificity:	ARNTL
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI3G9
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	<p>Reacts with: Mouse, Rat</p> <p>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.</p>
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	<p>0.09% Sodium Azide (NaN₃)</p> <p>1% Bovine Serum Albumin</p> <p>50% Glycerol</p>

Immunogen Full length recombinant human ARNTL produced in HEK293T cells

External Database

Links

UniProt:

[O00327](#)

[Related reagents](#)

Entrez Gene:

[406](#)

ARNTL

[Related reagents](#)

Synonyms

BHLHE5, BMAL1, MOP3, PASD3

Specificity

Mouse anti Human ARNTL antibody, clone OTI3G9 recognizes the aryl hydrocarbon receptor nuclear translocator-like protein 1, also known as ARNT-like protein 1, brain and muscle, PAS domain-containing protein 3, aryl hydrocarbon receptor nuclear translocator-like protein 1, bHLH-PAS protein JAP3, basic-helix-loop-helix-PAS orphan MOP3, basic-helix-loop-helix-PAS protein MOP3, brain and muscle ARNT-like 1, class E basic helix-loop-helix protein 5, member of PAS protein 3 and member of PAS superfamily 3.

Encoded by ARNTL gene, the aryl hydrocarbon receptor nuclear translocator-like protein 1 is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This complex binds an E-box upstream of the PER1 gene, activating ARNTL and possibly other circadian rhythm-associated genes. Three transcript variants encoding two different isoforms have been found for ARNTL (provided by RefSeq, Jul 2008).

Mouse anti Human ARNTL antibody, clone OTI3G9 detects a band of 78 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti ARTNL detects a band of approximately 78 kDa in NIH/3T3 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 #10048 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00255>
Antibody (10048)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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