

## Datasheet: VMA00379

<b>Description:</b>	MOUSE ANTI HNF4A
<b>Specificity:</b>	HNF4A
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Monoclonal
<b>Clone:</b>	OT12H2
<b>Isotype:</b>	IgG1
<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

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Recombinant protein fragment corresponding to aa 1-315 of human HNF4A (NP_849180) produced in <i>E.coli</i>
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P41235</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">3172</a> HNF4A <a href="#">Related reagents</a>
<b>Synonyms</b>	HNF4, NR2A1, TCF14

**Specificity** **Mouse anti Human HNF4A antibody** recognizes hepatocyte nuclear factor 4-alpha, also known as TCF-14, nuclear receptor subfamily 2 group A member 1 and transcription factor 14.

Encoded by the HNF4A gene, hepatocyte nuclear factor 4-alpha is a nuclear transcription factor which binds DNA as a homodimer. Hepatocyte nuclear factor 4-alpha controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. HNF4A may play a role in development of the liver, kidney, and intestines. Mutations in HNF4A have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of HNF4A results in multiple transcript variants encoding several different isoforms (provided by RefSeq, Apr 2012).

Mouse anti Human HNF4A antibody detects a band of 52 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

---

**Western Blotting** Anti HNF4A detects a band of approximately 52 kDa in HepG2 cell lysates

---

**Instructions For Use** Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

---

**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

---

**Shelf Life** As supplied, 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:  
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

---

**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 \(MCA928\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

'M286384:160718'

**Printed on 02 May 2018**

---

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)