

## Datasheet: VPA00487

<b>Description:</b>	RABBIT ANTI ARGINASE-1
<b>Specificity:</b>	ARGINASE-1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid.
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ).
<b>Immunogen</b>	KLH conjugated synthetic peptide corresponding to amino acid 293-322 of human arginase-1

### External Database Links

**UniProt:**

[P05089](#)

[Related reagents](#)

**Entrez Gene:**

[383](#) ARG1 [Related reagents](#)

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**Specificity** **Rabbit anti Human arginase-1 antibody** recognizes arginase-1, also known as liver-type arginase or type I arginase.

Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by ARG1 gene is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia ([ARGIN](#)), an autosomal recessive disorder characterized by hyperammonemia ([Carvalho et al. 2012](#)). Two transcript variants encoding different isoforms have been found for ARG1 (provided by RefSeq, Sep 2011).

Rabbit anti Human arginase-1 antibody detects a band of 38 kDa. The antibody has been extensively validated for western blotting using tissue and whole cell lysates.

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**Western Blotting** Anti arginase-1 detects a band of approximately 38 kDa in human liver tissue lysate.

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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 #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00487>  
Antibody (10040)

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**Regulatory** For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [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)

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