

Datasheet: VPA00487

Description:	RABBIT ANTI ARGINASE-1
Specificity:	ARGINASE-1
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
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

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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	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

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.

Western Blotting	Anti arginase-1 detects a band of approximately 38 kDa in human liver tissue lysate
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 #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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