

**Goat Anti-Arginase, type 1 / arg1(rat) Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1096b****Specification**

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**Goat Anti-Arginase, type 1 / arg1(rat) Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P07824.2</a>
Other Accession	<a href="#">NP_058830</a> , <a href="#">11846 (mouse)</a> , <a href="#">29221 (rat)</a>
Reactivity	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG

**Goat Anti-Arginase, type 1 / arg1(rat) Antibody - Additional Information****Other Names**

Arg1 antibody, arginase 1 antibody, AI type I arginase antibody, arginase 1 liver antibody

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

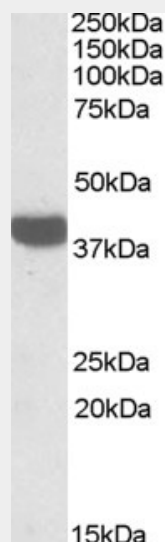
Goat Anti-Arginase, type 1 / arg1(rat) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Arginase, type 1 / arg1(rat) Antibody - Protein Information****Goat Anti-Arginase, type 1 / arg1(rat) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Goat Anti-Arginase, type 1 / arg1(rat) Antibody - Images



AF1096b (0.3 µg/ml) staining of Mouse Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-Arginase, type 1 / arg1(rat) Antibody - Background

catalyzes the hydrolysis of arginine to ornithine and urea in arginine metabolism; regulates nitric oxide production [RGD]

## Goat Anti-Arginase, type 1 / arg1(rat) Antibody - References

Species differences in expression pattern of arginase isoenzymes and differential effects of arginase inhibition on collagen synthesis in human and rat pulmonary fibroblasts. Warnken M, et al. Naunyn Schmiedebergs Arch Pharmacol, 2010 Apr. PMID 20107769.  
Thrombin induces endothelial arginase through AP-1 activation. Zhu W, et al. Am J Physiol Cell Physiol, 2010 Apr. PMID 20032511.  
Misregulation of the arginase pathway in tissues of spontaneously hypertensive rats. Bagnost T, et al. Hypertens Res, 2009 Dec. PMID 19763131.  
Arginase inhibition restores NOS coupling and reverses endothelial dysfunction and vascular stiffness in old rats. Kim JH, et al. J Appl Physiol, 2009 Oct. PMID 19661445.  
Increased synthesis of spermidine as a result of upregulation of arginase I promotes axonal regeneration in culture and in vivo. Deng K, et al. J Neurosci, 2009 Jul 29. PMID 19641117.