DATA SHEET

liver Arginase Antibody(NB100-59740)

Clonality:	Polyclonal
Specificity:	Arg1
Purity:	Immunogen affinity purified
Host:	Goat
Immunogen:	Synthetic peptide, C-NHKPETDYLKPPK, representing the C Terminus of the sequence according to NP_058830.1
Epitope:	NHKPETDYLKPPK
Isotype:	IgG

Gene Symbol: ARG1

11846 (Mouse)

29221 (Rat)

Swiss Prot: NP_058830.1 (Human)

Background:

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 this 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, an autosomal recessive disorder characterized by hyperammonemia.

Species:

Mouse,
Rat

Reactivity:
Mouse and rat..

**Note not all species have been tested for reactivity. Only those species listed have been tested. We cannot make any guarantees about additional reactivities or cross reactivities beyond those that have been tested. This antibody may or may not react with other species.*

Applications:

ELISA, WB

Uses: This antibody is useful for Peptide ELISA and Western Blot. Approx 37kDa band observed in Mouse Liver and Rat Liver lysates (calculated MW of 35.0kDa according to NP_058830.1).

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Voortstraat 49
1910 Kampenhout, Belgium

Dilutions: ELISA 1:32000, Western Blot 0.01-0.03µg/ml

Positive Controls:

- Whole Normal Liver Lysate (Whole Normal Liver Lysate (NB820-59710)(1.0mg))

Packaging:

Storage: Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

Buffer: Tris-saline [pH7.3] with 0.5% BSA

Preservative: 0.02% Sodium Azide

Concentration: 0.5 mg/ml

Limitations: This product is for research use only and is not approved for use in humans or in clinical diagnosis. Products are guaranteed for 6 months from date of receipt, except for peptides and proteins which are guaranteed for 3 months.

Publications:

1. Jiang M, Ding Y, Su Y, Hu X, Li J, Zhang Z. Arginase-flotillin interaction brings arginase to red blood cell membrane. FEBS Lett. 2006 Dec 11;580(28-29):6561-4. Epub 2006 Nov 13. pubmed: 17113085

Images (1)

Western Blot: Arg1 Antibody [NB100-59740] - NB100-59740 (0.03ug/ml) staining of Rat Liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.