

Datasheet for ABIN652925

**anti-Liver Arginase antibody (C-Term)****3** Images[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	Liver Arginase (ARG1)
Binding Specificity:	AA 293-322, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Liver Arginase antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This ARG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 293-322 amino acids from the C-terminal region of human ARG1.
Clone:	RB23044
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Liver Arginase (ARG1)
Alternative Name:	ARG1 ( <a href="#">ARG1 Products</a> )

## Target Details

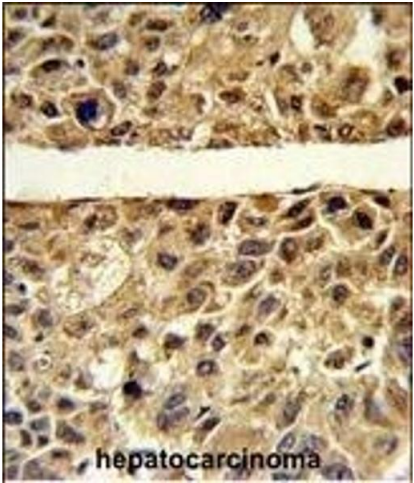
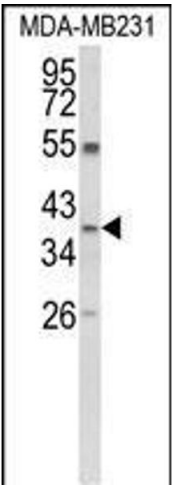
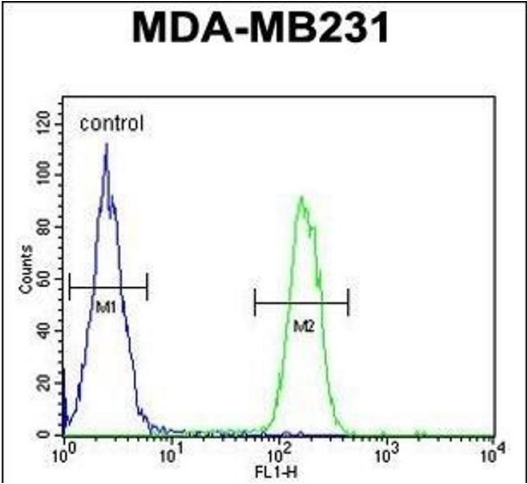
Background:	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by 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.
Molecular Weight:	34735
Gene ID:	383
NCBI Accession:	<a href="#">NP_000036</a> , <a href="#">NP_001231367</a>
UniProt:	<a href="#">P05089</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	6 months



### Flow Cytometry

**Image 1.** ARG1 Antibody (C-term) (ABIN652925 and ABIN2842593) flow cytometric analysis of MDA-M cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** Western blot analysis of ARG1 Antibody (C-term) (ABIN652925 and ABIN2842593) in MDA-M cell line lysates (35 µg/lane). ARG1 (arrow) was detected using the purified Pab.

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with ARG1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.