Datasheet for ABIN3030017

anti-Liver Arginase antibody (AA 293-322)

5 Images

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Overview

Quantity:	0.4 mL
Target:	Liver Arginase (ARG1)
Binding Specificity:	AA 293-322
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Liver Arginase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 293-322 from the human protein was used as the immunogen for this ARG1 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	Liver Arginase (ARG1)
Alternative Name:	ARG1 (ARG1 Products)
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

Target Details

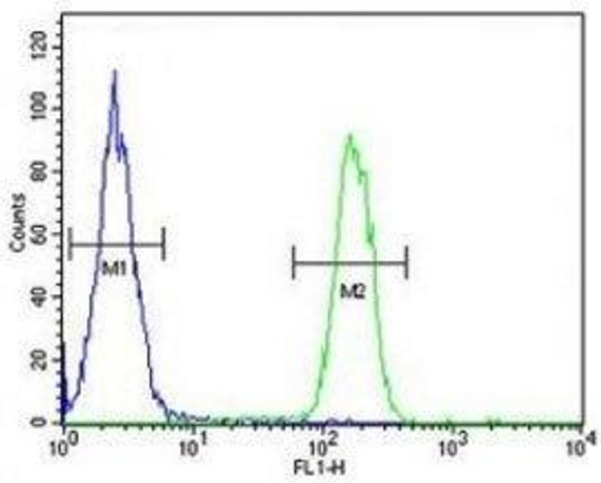
	by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia.
UniProt:	P05089
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	Titration of the ARG1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only

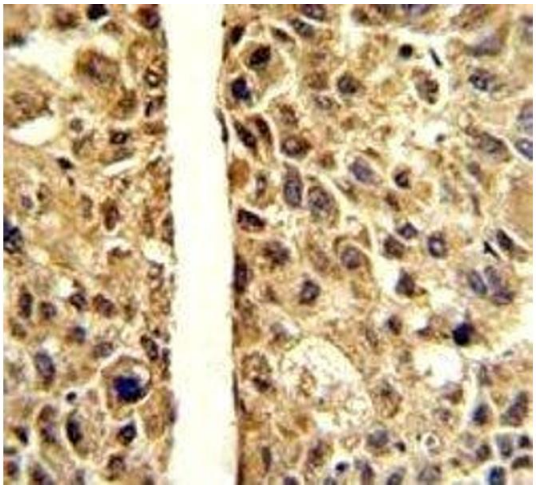
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the ARG1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Flow Cytometry

Image 1. ARG1 antibody flow cytometric analysis of MDA-MB231 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 2. IHC analysis of FFPE human hepatocarcinoma stained with ARG1 antibody

Western Blotting

Image 3. Western blot analysis of ARG1 antibody and MDA-MB231 lysate

Please check the product details page for more images. Overall 5 images are available for ABIN3030017.