

Datasheet for ABIN2856661
anti-Liver Arginase antibody

8 Images

11 Publications

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Overview

Quantity:	100 µL
Target:	Liver Arginase (ARG1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Liver Arginase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Full length human Arginase 1 Recombinant protein.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Arginase 1 (arginase, liver) Arginase 1 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	Liver Arginase (ARG1)
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Target Details

Alternative Name:	arginase 1 (ARG1 Products)
Background:	<p>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.</p> <p>Cellular Localization: Cytoplasm</p>
Molecular Weight:	35 kDa
Gene ID:	383
UniProt:	P05089
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IHC-Fr: 1:100-1:1000. FACS: 1:50-1:200. IP: 1:100-1:1000. ELISA: 1:1000-1:10000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	<p>Positive Control: HepG2</p> <p>Validation: KO/KD, Orthogonal</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.26 mg/mL
Buffer:	1XPBS pH 7, 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

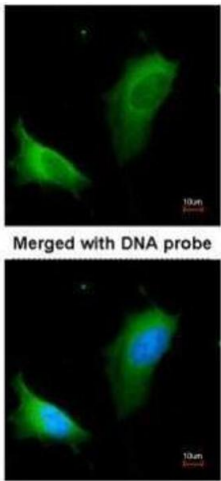
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Tang, Lee, Kim, Bishop, Rodgers: "siRNA-knockdown of ADAMTS-13 modulates endothelial cell angiogenesis." in: **Microvascular research**, Vol. 113, pp. 65-70, (2018) ([PubMed](#)).

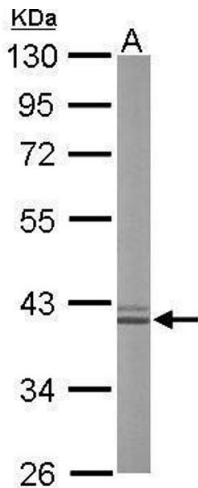
There are more publications referencing this product on: [Product page](#)

Validation report #100014 for Immunofluorescence (IF)



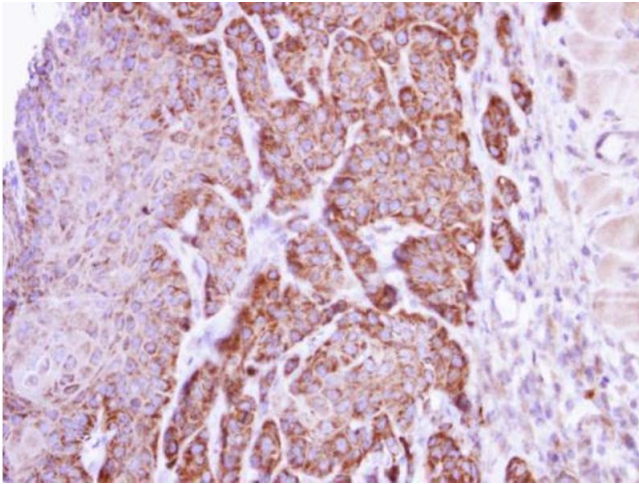
Immunofluorescence

Image 1. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using arginase I , antibody at 1:200 dilution.



Western Blotting

Image 2. WB Image Sample (20 ug of whole cell lysate) A: mouse liver 10% SDS PAGE antibody diluted at 1:50000



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using arginase I , antibody at 1:500 dilution.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2856661.