

ARG64181 anti-Arginase 1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Arginase 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Arginase 1
Species	Rat
Immunogen	C-NHKPETDYLKPPK
Conjugation	Un-conjugated
Alternate Names	EC 3.5.3.1; Type I arginase; Arginase-1; Liver-type arginase

Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/ml
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	37 kDa	

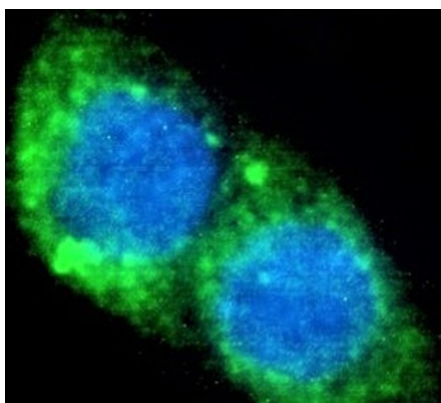
Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	Arg1
Gene Full Name	arginase 1
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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	35 kDa

Images



ARG64181 anti-Arginase 1 antibody ICC/IF image

Immunofluorescence: HepG2 stained with ARG64181 anti-Arginase 1 antibody at 10ug/ml dilution.



ARG64181 anti-Arginase 1 antibody WB image

Western blot: 35 µg of Mouse liver and Rat liver lysates (in RIPA buffer) stained with ARG64181 anti-Arginase 1 antibody at 0.01 µg/ml dilution and incubated at RT for 1 hour.