Product Datasheet

ARG1 Antibody

Catalog No: #32468

Package Size: #32468-1 50ul #32468-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

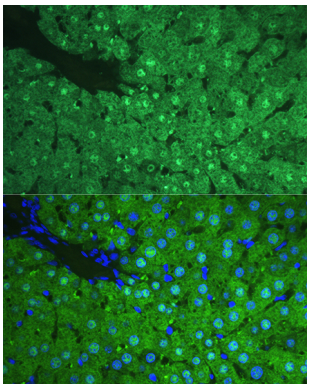
Description

Product Name	ARG1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total ARG1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ARG1.
Target Name	ARG1
Other Names	ARG1; Arginase-1; Liver-typearginase; Typelarginase;
Accession No.	Swiss-Prot:P05089NCBI Gene ID:383
Uniprot	P05089
GeneID	383;
SDS-PAGE MW	35KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

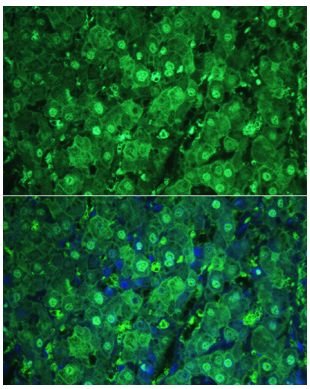
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

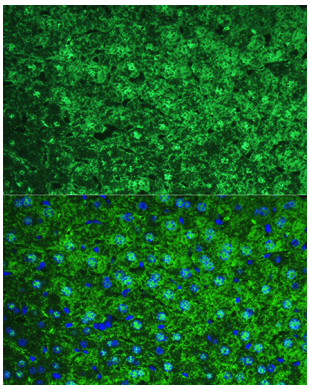
Images



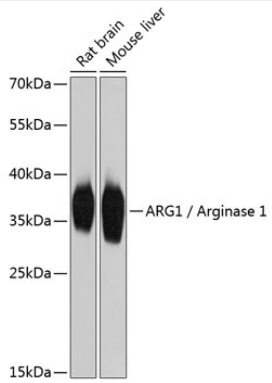
Immunofluorescence analysis of Rat liver using ARG1 / Arginase 1 at dilution of 1:100. Blue: DAPI for nuclear staining.



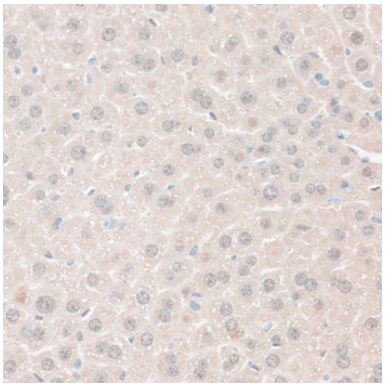
Immunofluorescence analysis of Human liver using ARG1 / Arginase 1 at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Mouse liver using ARG1 / Arginase 1 at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using ARG1 / Arginase 1 at 1:2000 dilution.



Immunohistochemistry of paraffin-embedded mouse liver using ARG1 / Arginase 1 at dilution of 1:100 (40x lens).

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.

Note: This product is for in vitro research use only