

ARG1 / Arginase 1 Polyclonal Antibody

Catalog No. E-AB-60474

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein of human ARG1 / Arginase 1 (NP_000036.2).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

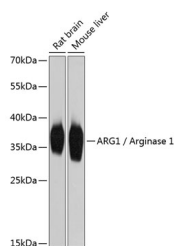
Applications Recommended Dilution

WB 1:500-1:2000 IHC

1:50-1:200 IF

1:50-1:200

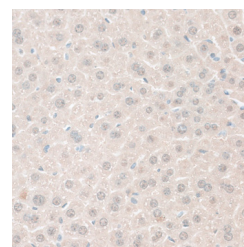
Data



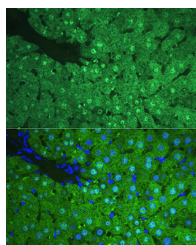
Western blot analysis of extracts of various cell lines using ARG1 / Arginase 1 Polyclonal Antibody at dilution of 1:2000.

Observed Mw:36kDa

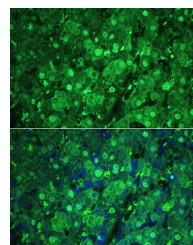
Calculated Mw:25kDa/34kDa/35kDa



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

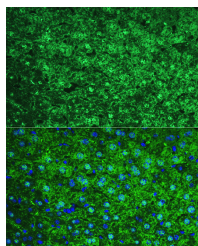


Immunofluorescence analysis of Rat liver using ARG1 / Arginase 1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



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

For Research Use Only



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

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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.