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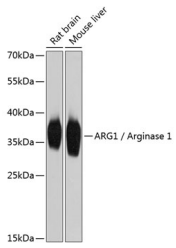
ARG1 / Arginase 1 Polyclonal Antibody

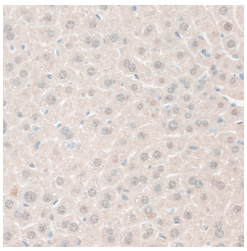
Catalog No.	E-AB-60474	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC,IF	**Isotype**	IgG

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

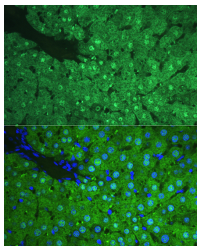
Images



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



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.

Immunogen Information

Immunogen	Recombinant fusion protein of human ARG1 / Arginase 1 (NP_000036.2).
GeneID	383
Swissprot	P05089
Synonyms	ARG1,arginase-1

Product Information

Calculated MW	25kDa/34kDa/35kDa
Observed MW	36kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200

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.