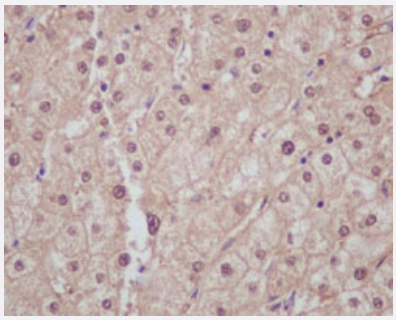
Liver Arginase monoclonal antibody, clone ABO-1

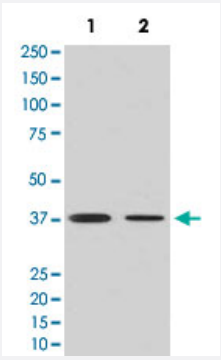
Catalog # MAB20451 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with Liver Arginase monoclonal antibody, clone ABO-1 (Cat # MAB20451).



Western Blot (Tissue lysate)

Western Blot analysis of Lane 1: human fetal liver and Lane 2: human fetal lung tissue lysates with Liver Arginase monoclonal antibody, clone ABO-1 (Cat # MAB20451).

Specification

Product Description	Rabbit monoclonal antibody raised against Liver Arginase.
Immunogen	A synthetic peptide corresponding to Liver Arginase.
Host	Rabbit
Theoretical MW (kDa)	34.735
Reactivity	Human
Form	Liquid

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Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:30) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with Liver Arginase monoclonal antibody, clone ABO-1 (Cat # MAB20451).

- Immunofluorescence
- Immunocytochemistry
- Immunoprecipitation
- Western Blot (Tissue lysate)

  Western Blot analysis of Lane 1: human fetal liver and Lane 2: human fetal lung tissue lysates with Liver Arginase monoclonal antibody, clone ABO-1 (Cat # MAB20451).

Gene Info — ARG1

Entrez GeneID	383
Protein Accession#	P05089
Gene Name	ARG1
Gene Alias	-

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Gene Description	arginase, liver
Omim ID	207800 608313
Gene Ontology	Hyperlink
Gene Summary	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mam malian 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. Inh erited deficiency of this enzyme results in argininemia, an autosomal recessive disorder character ized by hyperammonemia. [provided by RefSeq
Other Designations	A-I|OTTHUMP00000017209|arginase, type I

Pathway

- Arginine and proline metabolism
- Biosynthesis of alkaloids derived from ornithine
- Metabolic pathways

Disease

- Asthma
- Atherosclerosis
- Bronchiolitis
- Cardiovascular Diseases
- Coronary Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Helicobacter Infections
- Hypersensitivity
- Infant

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- Inflammation
- Lung Neoplasms
- Myocardial Infarction
- Precancerous Conditions
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Stomach Neoplasms

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