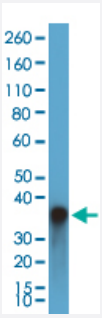
RecomAb™

ARG1 monoclonal antibody, clone RM377

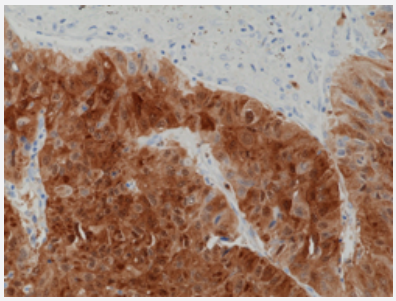
Catalog # MAB22009 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot (Tissue lysate) analysis of human liver.



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

Immunohistochemical staining of human liver cancer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ARG1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to C-terminus of human ARG1.
Reactivity	Human
Specificity	This antibody reacts to human Arginase-1 (ARG1).
Form	Liquid

Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-2000) Western Blot (1:5000-10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to 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

- Western Blot (Tissue lysate)

  Western Blot (Tissue lysate) analysis of human liver.

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

  Immunohistochemical staining of human liver cancer.

Gene Info — ARG1

Entrez GeneID	383
Gene Name	ARG1
Gene Alias	-
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
- Inflammation
- Lung Neoplasms
- Myocardial Infarction
- Precancerous Conditions
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Stomach Neoplasms