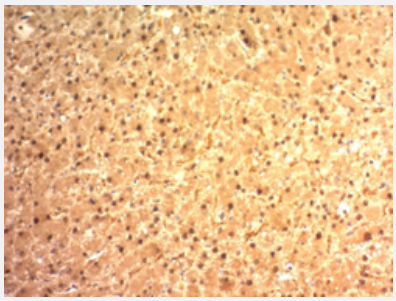
ARG1 monoclonal antibody, clone ARG1/1125

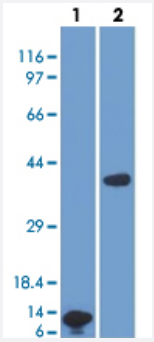
Catalog # MAB13323 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatocellular carcinoma with ARG1 monoclonal antibody, clone ARG1/1125 (Cat # MAB13323).



Western Blot

Western Blot analysis of Lane 1: ARG1 recombinant protein fragment and Lane 2: human liver lysate with ARG1 monoclonal antibody, clone ARG1/1125 (Cat # MAB13323).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ARG1.
Immunogen	Recombinant protein corresponding to 87 residues around amino acids 1-150 of human ARG1.
Host	Mouse
Theoretical MW (kDa)	35-38
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification

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Isotype	IgG3, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
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 hepatocellular carcinoma with ARG1 monoclonal antibody, clone ARG1/1125 (Cat # MAB13323).

- Immunofluorescence

- Flow Cytometry

- Western Blot

  Western Blot analysis of Lane 1: ARG1 recombinant protein fragment and Lane 2: human liver lysate with ARG1 monoclonal antibody, clone ARG1/1125 (Cat # MAB13323).

Gene Info — ARG1

Entrez GeneID	383
Protein Accession#	P05089
Gene Name	ARG1
Gene Alias	-
Gene Description	arginase, liver
Omim ID	207800 608313
Gene Ontology	Hyperlink

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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

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- Precancerous Conditions
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Stomach Neoplasms

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